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Evaluation of a continuous Neonatal Temperature Monitor for low-resource settings: a device feasibility pilot study.

1 Evaluation of a continuous Neonatal Temperature Monitor 2 for low-resource settings: a device feasibility pilot study.

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1 ABSTRACT

2 **Objective:** Evaluate a novel continuous temperature monitor in a low-resource neonatal ward.

3 **Design:** We developed a low-cost continuous Neonatal Temperature Monitor (NTM) for use in low-
4 resource settings. Accuracy of NTM was initially assessed in the laboratory. Clinical evaluation then was
5 performed in a neonatal ward in a central hospital in Malawi; eligible neonates (<1 week of age) were
6 recruited for continuous temperature monitoring with NTM and a Philips Intellivue MP30 Patient
7 Monitor.

8 **Interventions and outcome measures:** The temperature probes of NTM and the reference patient
9 monitor were attached to the infant's abdomen and core temperature was continuously recorded for up to
10 3 hours. Axillary temperatures were taken every hour. We compared temperatures measured using NTM,
11 the patient monitor, and the axillary thermometer.

12 **Results:** Laboratory temperature measurements obtained with NTM were within +/- 0.059 °C [range: -
13 0.035,0.195°C] of a reference thermometer. A total of 39 patients were recruited to participate in the
14 clinical evaluation of NTM; data from four patients were excluded due to faulty hardware connections.
15 The mean difference in measured temperatures between the NTM and the Intellivue MP30 was -0.04°C
16 (95% CI [-0.52,0.44]°C).

17 **Conclusion:** NTM meets ISO 80601-2-56 standards for accuracy and is an appropriate, low-cost
18 continuous temperature monitor for neonatal wards in low-resource settings.

19 **Trial registration:** ClinicalTrials.gov NCT03965312 and NCT03866122.

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1 **What is already known about the subject**

- 2 1. Neonatal hypothermia is a significant contributor to infant mortality in low-resource settings.
- 3 2. Appropriate temperature-monitoring tools are unavailable in low-resource settings, leading to
- 4 3 undermonitoring of infants, and low awareness of hypothermia.
- 5 4 3. Currently available temperature-monitoring tools are too expensive, inaccurate or insufficient to
- 6 5 address the need for quantitative temperature measuring tools for use in low-resource settings.

7 **What this study adds**

- 8 1. We report the design and development of a low-cost, robust and reusable continuous temperature-
- 9 2 monitoring system for neonates in low-resource settings.
- 10 3 2. The clinical performance of this novel device is comparable to a clinically available patient
- 11 4 monitor used in high-income countries.
- 12 5 3. This device received positive feedback from clinical staff in the neonatal ward of Queen
- 13 6 Elizabeth Central Hospital in Blantyre, Malawi.

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1 INTRODUCTION

2 Neonatal hypothermia - broken down into three levels by the World Health Organization (mild: 36-
3 36.5°C, moderate: 32-35.9°C, and severe: < 32°C[1]) - is a significant global challenge, especially for
4 premature and sick babies[2]. Hypothermia is common in countries with high neonatal mortality rates,
5 and managing hypothermia has been recognized as crucial to improve survival[3]. The reported incidence
6 of neonatal hypothermia in low and middle-income countries ranges from 25% to 85%[2,4,5].
7 Hypothermia alone increases an infant's chance of death[2,6]. Left untreated, hypothermia can
8 additionally result in significant co-morbidity, increasing the risk of mortality due to other common
9 newborn conditions[4,7]. Persistent hypothermia in newborns can lead to complications such as
10 infection, hypoglycemia, and metabolic acidosis, and increase the risk of late-onset sepsis[7,8]. The
11 adjusted mortality risk increases 28-80% for every 1°C decrease in first observed axillary
12 temperature[5,8,9], with babies <35.0°C experiencing a six-fold increase in mortality[5]. Persistent
13 hypothermia can also reduce the effectiveness of treatment for other newborn conditions. For example, a
14 study of neonates with respiratory distress showed that mean temperature during treatment was the
15 strongest predictor of survival to discharge[10].
16 In high-resource settings, neonatal temperature is monitored continuously using commercially available
17 patient monitors. These devices cost thousands of dollars, require delicate sensors, expensive consumable
18 stickers, and are not designed to withstand the harsh environmental conditions in low-resource settings
19 (LRS). Existing low-cost temperature monitoring devices that could be used in low-income countries,
20 while sensitive enough to detect hypothermia, do not have the features necessary to guide clinicians in a
21 hospital setting[11–13]. The current standard of care for temperature monitoring in LRS is axillary
22 temperature taken every four hours (for high-risk infants) and 12 hours (for low-risk infants)[1], which
23 can be difficult to implement in short-staffed wards, leaving infants unmonitored for long periods of time.
24 Kangaroo Mother Care is an effective method of thermoregulation in LRS, and it has been shown to
25 improve thermal stability in preterm newborns[14]. It confers other benefits on both mother and child
26 such as improved survival rates, reduced rates of infection, stabilized respiratory rate, and improved

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1 maternal-child bonding[15–17]. However, the lack of temperature-monitoring tools in the neonatal ward
2 can lead to early discharge of babies who otherwise might be recommended for KMC.
3 Although KMC is an effective treatment for hypothermia, it is not appropriate for every infant. The WHO
4 recommends KMC be initiated as soon as possible in clinically stable newborns. However, newborns who
5 are not clinically stable remain in the NICU for monitoring and treatment[18]. The lack of continuous
6 temperature monitoring in the neonatal wards can be particularly dangerous for preterm infants; they are
7 susceptible to hypothermia and thermal shock (caused by rapid, frequent heating/cooling) which can
8 cause death[19]. Combined with ward overcrowding and understaffing, hypothermia remains a largely
9 invisible problem in newborn units in LRS, especially when the baby shows no visible symptoms.
10 The current standard of care in LRS is insufficient to address these challenges. There is an unmet need for
11 an accurate temperature-monitoring tool designed specifically for LRS that can continuously monitor the
12 infant's temperature and effectively alert hospital staff when intervention is needed. An ideal temperature
13 monitor should: 1) monitor continuously, 2) be accurate ($\pm 0.5^{\circ}\text{C}$ clinical accuracy), 3) not require
14 consumables, 4) be easy-to-use, robust, and affordable. The objective of this pilot study was to carry out
15 laboratory and clinical evaluations to determine whether this novel Neonatal Temperature Monitor,
16 designed specifically for use in LRS, meets these criteria.

17 METHODS

18 Device Development:

19 We developed a low-cost Neonatal Temperature Monitor (NTM) for use in low-resource settings. **Figure**
20 **1** shows the three major components of the device: 1) a reusable temperature probe; 2) a reusable belt that
21 holds the temperature probe on the baby's skin; 3) a monitor that displays the baby's core temperature with
22 indicator lights to signal whether the baby is hypothermic ($<36.5^{\circ}\text{C}$; blue warning light), normothermic
23 ($36.5\text{--}37.5^{\circ}\text{C}$; green indicator light), or hyperthermic ($>37.5^{\circ}\text{C}$; red warning light) (**Figure 1**).

24 *Temperature probe:* The temperature probe consists of a medical-grade thermistor in a stainless-steel
25 housing and a plastic backing (**Figure 1, inset**). The thermistor, housing, and backing are joined with
26 thermally-conductive epoxy. The probe is attached to the belt with snaps embedded in the backing. The

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1 snaps allow easy attachment/removal of the temperature probe to the abdominal belt and ensure proper
2 positioning of the probe.

3 *Belt:* The temperature probe is held in contact with the skin above the liver using an adjustable belt made
4 of easy-to-clean nylon fabric. Elastic is sewn into the belt, so it fits snugly and comfortably. A shoulder
5 strap runs from the back of the belt, over the infant's shoulder, and down the chest to prevent slipping. All
6 seams are covered with fabric to reduce the possibility of skin irritation.

7 *Monitor:* The monitor contains an Arduino Uno microcontroller (Arduino, Massachusetts, USA), which
8 converts thermistor resistance to temperature. The microcontroller displays the temperature in °C (to 0.1°C)
9 on a seven-segment display and controls indicator lights corresponding to the baby's thermal state; both are
10 updated at 1Hz.

11 **Laboratory validation of NTM:**

12 Prior to the clinical study, laboratory accuracy tests were performed to validate that NTM meets ISO 80601-
13 2-56 referent to clinical thermometers for body temperature measurements[20]. Three temperature probes
14 were tested with three NTM devices against a reference thermometer OAKTON Temp 340 (OAKTON
15 Instruments, Illinois, USA). Each probe was tested with each NTM for a total of 3x3 tests. Laboratory
16 accuracy was tested by submerging the probes for NTM and reference thermometer in a water bath of
17 known temperature, letting probes stabilize for 30 minutes, and performing a discrete temperature
18 measurement at each temperature. The tests were performed at three known temperatures (31.0°C, 36.0°C,
19 and 41.0°C).

20 **Clinical evaluation of NTM:**

21 Ethics statement

22 We conducted a pilot study to evaluate the accuracy of NTM compared to a standard, commercially
23 available patient monitor (PM) at Queen Elizabeth Central Hospital (QECH) in Blantyre, Malawi. The trial
24 is registered with ClinicalTrials.gov under NCT03965312 and NCT03866122. The study was reviewed and
25 approved by the Rice University Institutional Review Board (FY2018-42 and FY2017-340), the University

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1 of Malawi College of Medicine Research Ethics Committee (COMREC #2204), and the Malawi National
2 Health Science Research Committee (NHSRC #1818).

3 Patient and Public Involvement

4 There were no patients or public involved in the research design, process, and research findings
5 dissemination.

6 Prior to enrollment, a trained nurse identified potential eligible patients. Written informed consent was
7 obtained from the parents or guardians of all participants involved in this study. Eligible patients included
8 any neonate 1) in stable condition; 2) located in the low-risk unit of the neonatal ward; and 3) whose parents
9 or guardians provided informed consent. A minimum of 35 subjects, with no less than 30% and no greater
10 than 50% febrile subjects, were needed in accordance to ISO 80601-2-56 human subject population
11 requirements. The standard requires at least 35 subjects in the group A1, 0 up to 3 months, for clinical
12 accuracy validation[20]. Recruitment continued until the pre-established sample size was reached.

13 All enrolled patients were in cots open to room air, the current standard of care in the low risk unit. Some
14 patients were receiving thermal care and/or phototherapy. Patients were monitored using NTM and a Philips
15 IntelliVue Patient Monitor MP30 (Philips, Amsterdam, Netherlands). The Philips MP30 and its
16 corresponding reusable temperature probe was used as a gold standard. The NTM and PM probes were
17 attached to each infant using the reusable belt and a reflective sticker, respectively. The NTM probe was
18 placed over the patient's liver, and the temperature probe of the PM was placed as close as possible to the
19 NTM probe. Temperature data were logged for up to three hours on each patient. Axillary temperature, the
20 standard of care for temperature monitoring at QECH, was also measured by the study nurse using a digital
21 thermometer (Generation Guard, New York, USA) every hour. Probes and the NTM belt were disinfected
22 between each patient using methylated spirits (95% ethanol, 5% methanol). A researcher observed all
23 patients during the entire period of data collection.

24 Clinicians and nurses who staffed the ward during the study were asked to provide feedback about NTM.

25 **Data Analyses:**

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1 Participant demographics and relevant variables were obtained from the infant's medical records.
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1 Participant demographics and relevant variables were obtained from the infant's medical records.
2 Continuous temperature data from NTM were collected using CoolTerm, an open-source serial port data-
3 logging application. Temperature signals from the PM were collected through MediCollector BEDSIDE
4 (MediCollector, Massachusetts, USA). Axillary temperatures were manually collected and recorded in an
5 Excel spreadsheet (Microsoft, Washington, USA) for comparison. Analysis was performed in Excel and
6 MATLAB 2017 (MathWorks, Massachusetts, USA).

7 To compare continuous and discrete temperature values, a single time point from the continuous
8 measurement at the 1, 2, and 3-hour marks was chosen and entered in the Excel spreadsheet. Bland Altman
9 plots, bias (mean difference), and 95% confidence interval (CI) limits of agreement (LOA) were used to
10 compare the agreement between the NTM device readings with the PM readings, as well as compare the
11 NTM and PM readings with standard of care axillary temperature readings.

12 RESULTS

13 The NTM device monitor measures 100x42x73 mm and the materials cost to fabricate an in-house
14 prototype is \$80.

15 Laboratory validation of NTM:

16 Nine measurements were performed with each probe (one measurement per NTM per temperature) for a
17 total of 27 analyzed measurements. The mean error across all NTM devices and probes was 0.059°C [range:
18 -0.035-0.195°C]. For complete table, refer to S11.

19 Clinical evaluation of NTM:

20 A total of 39 subjects were recruited from the neonatal ward low-risk unit at QECH. Of the 39 subjects,
21 four were excluded from analysis for the following reasons: a bad connection between the device and
22 logging computer (two subjects); a faulty connection between the probe and device (one subject); and an
23 improperly tightened belt that did not remain in place during data collection (one subject). Subject
24 characteristics are summarized in **Table 1**. A CONSORT flowchart is provided in **Figure 2**. Of analyzed
25 subjects, 63% were male. Gestational ages ranged from 32-38 weeks (mean: 36 weeks). All infants were
26 <1 week of age at the time of the study. Infants weighed between 1.12 kg and 3.80 kg (mean: 2.43 kg).

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1 Upon admission to the ward, eleven infants were moderately hypothermic (32.0-35.9°C); seven were mildly
2 hypothermic (36.0-36.4°C); four were normothermic (36.5-37.5°C); and eleven were hyperthermic
3 (>37.5°C). Hyperthermic infants were preferentially selected to meet ISO testing standards[20].

4 **Table 1.** Subjects characteristics.

Number of subjects	35
Gender	Male: 22 (63%) Female: 13 (37%)
Mean Gestational Age	36.3 weeks (32-38) Unknown: 4 (11.4%)
Mean weight (kg)	2.43 kg (1.12-3.80)
	≤ 1.5 kg 4 (11.4%)
	> 1.5 to ≤ 2.5 kg 11 (31.4%)
	> 2.5 kg 17 (48.6%)
	Unknown 3 (8.6%)
Mean admission temperature (°C, Axillary with digital thermometer)	36.6 °C (34.6-39.3)
	< 32°C (severe hypothermia) 0 (0%)
	≥ 32 - < 35.9°C (moderate hypothermia) 11 (31.4%)
	≥ 36 - <36.5°C (mild hypothermia) 7 (20.0%)
	≥ 36.5 - <37.5°C (normothermic) 4 (11.4%)
	≥ 37.5°C (hyperthermic) 11 (31.4%)
	Unknown 2 (5.7%)

5
6 **Figure 3** shows a photo of the study setup and placement of the temperature probes on a subject. Seven
7 of 39 subjects exhibited minor indentations from the belt; none of the subjects exhibited skin irritation.

8 **Figure 4A-B** shows two typical examples of continuous temperature data from NTM and the commercial

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1 patient monitor. Temperature measured by NTM is shown as a solid line; temperature measured by the
2 patient monitor is shown as a dashed line. A difference of $\pm 0.5^{\circ}\text{C}$ from the patient monitor temperature is
3 shown as a dotted line. Discrete axillary temperature measurements are indicated by diamonds. The x-axis
4 Time (min) refers to the elapsed time of the temperature monitoring of a participant. A subset of the data
5 is shown to highlight temperature tracking between both devices with significant resolution. In both
6 examples, temperature measurements made using NTM are within $\pm 0.5^{\circ}\text{C}$ of the measurements made by
7 the patient monitor and axillary measurements. During nursing (**Figure 4A, right**), the infant's
8 temperature rises, a feature that is captured by both PM and NTM measurements.

9 **Figure 4C-D** shows Bland-Altman plots comparing temperature measured with the NTM to that
10 measured with the PM using discrete data points at one, two, and three-hour intervals for all subjects. The
11 95% CI-LOA ($\pm 1.95s$) are -0.52°C to 0.44°C with a bias of -0.04°C . The bias of the NTM vs PM in
12 clinical testing is comparable to the average error between NTM and a reference thermometer observed
13 during laboratory accuracy testing. Figures 4C and D show Bland-Altman plots comparing the PM and
14 the NTM measurements to axillary temperature measurements. Both the PM and NTM measured slightly
15 higher on average than axillary temperatures, by $0.11 [-0.49-0.80]^{\circ}\text{C}$ and $0.15 [-0.66-0.87]^{\circ}\text{C}$,
16 respectively. For more information, refer to SI3.

17 DISCUSSION

18 NTM provides real-time digital monitoring of neonatal temperature together with indicator lights
19 signaling hypothermia and hyperthermia. The accuracy of NTM is comparable to continuous temperature
20 monitoring using commercially available patient monitors commonly used in high-resource settings.
21 When used in a pilot study in a low-resource setting, the accuracy of NTM met the target of $\pm 0.5^{\circ}\text{C}$ set
22 prior to subject enrollment. This small accuracy range was selected because of the narrow temperature
23 window associated with normothermia and because an inaccurate reading larger than 0.5°C can lead
24 thermal shock and increase chances of mortality[21]. Out of the four system issues reported, two were
25 problems with the interface between the data collection software and the NTM device, one was a
26 connection issue from temperature probe to monitor. On one instance, the belt slipped down the abdomen,

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1 resulting in a gap between the temperature probe and the infant. These issues will be addressed in future
2 iterations of the NTM device.
3 In informal conversations with clinical staff, they reported the NTM device easy-to-use and interpret. Due
4 to the current noise level within the ward, the visual indicators were well received. Additionally, clinical
5 staff valued the continuous digital temperature display, preferring to use the displayed temperature rather
6 than taking axillary temperature during rounds. Research assistants noted that mothers could understand
7 the meaning of the visual indicators, because some expressed concern to the study nurse when warning
8 lights were illuminated.
9 Other low-cost temperature-monitoring systems have recently been developed and evaluated for use in
10 low-resource areas. Thermospot (\$12.50 for 25 stickers on Maternova.net[22]) is a disposable sticker that
11 uses liquid crystal technology that changes color according to surface temperature[23]. Each sticker can
12 be used for up to 7-10 days, with color changes indicating whether a baby is normothermic (bright green),
13 hypothermic (pale green/red/black depending on the degree of hypothermia) or hyperthermic (blue). Two
14 studies in low-resource settings reported sensitivity and specificity for hypothermia detection are 88-
15 97.9% and 97-99.8%, respectively[11,12]. However, these studies are based on defining hypothermia as
16 an axillary temperature $<35-35.5^{\circ}\text{C}$, far below the WHO definition of hypothermia[1]. Additionally, the
17 Thermospot brochure identifies intermediate red and pale green colors between the bright green and black
18 color changes, which were not reported in the specificity and sensitivity studies. The Bempu Bracelet is a
19 \$30 disposable device to be used over a 30-day period to detect hypothermia in KMC or at home. The
20 Bempu Bracelet provides audible and visual alarms when the neonate is hypothermic[24]. A study
21 performed at a stepped down neonatal nursery in India reported Bempu's sensitivity and specificity for
22 hypothermia detection (defined in the study as $<36.5^{\circ}\text{C}$) are 98.6% and 95%, respectively[13].
23 Unlike NTM, neither Thermospot nor the Bempu Bracelet provide a digital display of temperature[23,24],
24 hindering clinicians from determining the degree of hypothermia: mild, moderate, and severe[1]. The
25 combination of NTM's continuous digital temperature display and corresponding visual indicators may
26 reduce time to intervention in cases of hypothermia in low-resource hospitals. Visual alerts provide a

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1 rapid way for parents and staff to recognize when intervention is needed; the digital temperature display
2 can indicate what type of intervention is necessary. For example, the blue light signal notifies a clinician
3 to attend a hypothermic infant. Once at the infant's bedside, the clinician can tell whether the baby is
4 mildly hypothermic (and intervene by covering the baby, adding an extra blanket or hat[1]) or whether the
5 baby is moderately or severely hypothermic (and intervene by placing baby in a radiant warmer, hot cot
6 or incubator when available[1]). A recent study used staff education on hypothermia along with
7 equipment repair to reduce neonatal hypothermia in neonatal and KMC wards[25]. NTM could enhance
8 these initiatives by providing a real-time temperature measurement.

9 Furthermore, NTM's portability could also allow for continuous temperature monitoring during KMC in
10 a hospital setting. The belt would secure the temperature probe on the baby's abdomen in the same way as
11 in the NICU, and the monitor could be placed by the mother's bedside. Monitoring is most important
12 during the first days of KMC to ensure that the thermal treatment is working. The temperature-monitoring
13 in KMC proposed by the WHO is axillary temperature taken every 6 hours until temperature is stable for
14 three days, then decreases to axillary temperature taken every 12 hours[14]. Knowledge about the
15 effectiveness of KMC, for both nurses and mothers, is often cited as a barrier to its use[26–28]. The
16 availability of continuous monitoring in KMC could allow for closer observation of babies at risk of
17 hypothermia and increase mothers' advocacy if their baby's temperature is outside the normothermic
18 range.

19 **Limitations of the study:**

20 The study was carried out only at one central hospital under a supervised research protocol with a small
21 sample size. During this pilot study, all SOC measurements and clinical set up were performed by one
22 trained study nurse. Further research is needed to determine whether the device can be used consistently
23 across users. This device is not yet commercially available.

24 **CONCLUSION**

25 We developed a low-cost and accurate continuous neonatal temperature monitor. Based on performance
26 in this pilot study, the NTM device has the potential to decrease the burden of hypothermia in low-

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1 resource settings. The use of NTM in the KMC ward, NTM impact on outcomes and nursing care within
2 the NICU, and the accuracy of the device when placed by different users should be explored in further
3 studies.

4 **STATEMENTS**

5 **Acknowledgements**

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8 **Contributorship**

9 SSS prepared manuscript with support from MKH, RRK, and MH. SSS and MKH conducted laboratory
10 and clinical data collection and analysis. MH, ZMO, RRK, contributed to data interpretation and provided
11 technical advice. QD, KK, ZMO, RRK contributed to the conception and design of the clinical study. All
12 authors revised the manuscript, provided critical feedback, and approved the final version for publication.

13 **Data Availability**

14 All relevant data generated during and/or analyzed during the current study are included in the article or
15 uploaded as supplementary information.

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17 This research received no specific grant from any funding agency in the public, commercial, or not-for-
18 profit sectors.

19 **Competing Interests**

20 The authors declare no conflicts of interest.

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1 REFERENCES

- 1 World Health Organization. WHO | Thermal protection of the newborn: a practical guide. 1997.http://www.who.int/maternal_child_adolescent/documents/ws42097th/en/ (accessed 28 Feb 2018).
- 2 Cartledge PT, Iratubona FU, Dusabimana R, *et al.* G264 Hypothermia prevalence and risk factors in admitted neonates and impact on outcomes at a tertiary neonatal unit, rwanda: a cross-sectional study. *Archives of Disease in Childhood* 2019;**104**:A107–A107. doi:10.1136/archdischild-2019-rcpch.256
- 3 Kumar V, Shearer JC, Kumar A, *et al.* Neonatal hypothermia in low resource settings: a review. *Journal of Perinatology* 2009;**29**:401.
- 4 Lunze K, Bloom DE, Jamison DT, *et al.* The global burden of neonatal hypothermia: systematic review of a major challenge for newborn survival. *BMC Med* 2013;**11**:24. doi:10.1186/1741-7015-11-24
- 5 Mullany LC. Neonatal Hypothermia in Low-Resource Settings. *Seminars in Perinatology* 2010;**34**:426–33. doi:10.1053/j.semperi.2010.09.007
- 6 Amadi HO, Olateju EK, Alabi P, *et al.* Neonatal hyperthermia and thermal stress in low- and middle-income countries: a hidden cause of death in extremely low-birthweight neonates. *Paediatrics and International Child Health* 2015;**35**:273–81. doi:10.1179/2046905515Y.0000000030
- 7 Lunze K, Hamer DH. Thermal protection of the newborn in resource-limited environments. *Journal of Perinatology* 2012;**32**:317.
- 8 Lupton AR, Salhab W, Bhaskar B, *et al.* Admission temperature of low birth weight infants: predictors and associated morbidities. *Pediatrics* 2007;**119**:e643–649. doi:10.1542/peds.2006-0943
- 9 de Almeida MFB, Guinsburg R, Sancho GA, *et al.* Hypothermia and early neonatal mortality in preterm infants. *The Journal of pediatrics* 2014;**164**:271–275.
- 10 Carns J, Kawaza K, Quinn M, *et al.* Impact of hypothermia on implementation of CPAP for neonatal respiratory distress syndrome in a low-resource setting. *PLOS ONE* 2018;**13**:e0194144. doi:10.1371/journal.pone.0194144
- 11 Green DA, Kumar A, Khanna R. Neonatal hypothermia detection by ThermoSpot in Indian urban slum dwellings. *Archives of Disease in Childhood - Fetal and Neonatal Edition* 2006;**91**:F96–8. doi:10.1136/adc.2005.078410
- 12 Shreshta M. Comparison of liquid crystal device -thermospot with low reading axillary thermometer in detecting neonatal hypothermia | Pediatric Oncall Journal. 2010.<https://www.pediatriconcall.com/pediatric-journal/view/fulltext-articles/322/J/0/0/126/0> (accessed 24 Aug 2018).

Evaluation of a continuous Neonatal Temperature Monitor for low-resource settings: a device feasibility pilot study.

- 13 Tanigasalam V, Vishnu Bhat B, Adhisivam B, *et al.* Hypothermia detection in low birth weight neonates using a novel bracelet device. *The Journal of Maternal-Fetal & Neonatal Medicine* 2018;:1–4. doi:10.1080/14767058.2018.1443072
- 14 WHO | Kangaroo mother care: a practical guide. WHO. 2003.http://www.who.int/maternal_child_adolescent/documents/9241590351/en/ (accessed 27 Aug 2018).
- 15 Cho E-S, Kim S-J, Kwon MS, *et al.* The Effects of Kangaroo Care in the Neonatal Intensive Care Unit on the Physiological Functions of Preterm Infants, Maternal–Infant Attachment, and Maternal Stress. *Journal of Pediatric Nursing: Nursing Care of Children and Families* 2016;31:430–8. doi:10.1016/j.pedn.2016.02.007
- 16 Cleveland L, Hill CM, Pulse WS, *et al.* Systematic Review of Skin-to-Skin Care for Full-Term, Healthy Newborns. *Journal of Obstetric, Gynecologic & Neonatal Nursing* 2017;46:857–69. doi:10.1016/j.jogn.2017.08.005
- 17 Conde-Agudelo A, Díaz-Rossello JL. Kangaroo mother care to reduce morbidity and mortality in low birthweight infants. In: *The Cochrane Library*. John Wiley & Sons, Ltd 2016. doi:10.1002/14651858.CD002771.pub4
- 18 World Health Organization. WHO recommendations on interventions to improve preterm birth outcomes. 2015.http://www.who.int/reproductivehealth/publications/maternal_perinatal_health/preterm-birth-highlights/en/ (accessed 4 Jul 2018).
- 19 Amadi HO, Olateju EK, Alabi P, *et al.* Neonatal hyperthermia and thermal stress in low- and middle-income countries: a hidden cause of death in extremely low-birthweight neonates. *Paediatrics and International Child Health* 2015;35:273–81. doi:10.1179/2046905515Y.0000000030
- 20 International Standard Organization. Medical electrical equipment — Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement (ISO Standard No. 80601-2-56:2009 (EN)). 2009.<https://www.iso.org/obp/ui/#iso:std:iso:80601:-2-56:ed-1:v1:en> (accessed 4 Jul 2018).
- 21 Amadi HO, Olateju EK, Alabi P, *et al.* Neonatal hyperthermia and thermal stress in low- and middle-income countries: a hidden cause of death in extremely low-birthweight neonates. *Paediatrics and International Child Health* 2015;35:273–81. doi:10.1179/2046905515Y.0000000030
- 22 Maternova Inc. ThermoSpot stick-on reusable newborn thermoindicators (25 per tin). Maternova Inc. <https://maternova.net/products/thermospot-stick-on-reusable-thermoindicators-for-newborn-set-of-25> (accessed 27 Aug 2018).
- 23 Zeal J, Fripp R. Introducing the ThermoSpot A Non-Invasive Hypothermia Indicator for Newborns, Infants and Children. Online brochure available at <http://mnhtech.org/uploads/ThermospotBrochure.pdf>.

Evaluation of a continuous Neonatal Temperature Monitor for low-resource settings: a device feasibility pilot study.

- 1 24 Bempu Health. Technical Specifications of the Bempu Hypothermia Device. 2016. <https://www.viaglobalhealth.com/wp-content/uploads/2016/03/ENG022-BEMPU-Technical-Specifications-V2.pdf>
- 2 25 Mackenzie FD, Shepherd K, Rukabyarwema JP, *et al.* G265 Neonatal hypothermia – still a serious problem in a low-income country. *Archives of Disease in Childhood* 2019;**104**:A107–8. doi:10.1136/archdischild-2019-rcpch.257
- 3 26 Morgan MC, Nambuya H, Waiswa P, *et al.* Kangaroo mother care for clinically unstable neonates weighing ≤ 2000 g: Is it feasible at a hospital in Uganda? *J Glob Health* 2018;**8**. doi:10.7189/jogh.08.010701
- 4 27 Chan G, Bergelson I, Smith ER, *et al.* Barriers and enablers of kangaroo mother care implementation from a health systems perspective: a systematic review. *Health Policy Plan* 2017;**32**:1466–75. doi:10.1093/heapol/czx098
- 5 28 Kenanga Purbasary E, Rustina Y, Budiarti T. Increasing Confidence and Ability in Implementing Kangaroo Mother Care Method Among Young Mothers. *Compr Child Adolesc Nurs* 2017;**40**:1–7. doi:10.1080/24694193.2017.1386964

FIGURES CAPTIONS

Figure 1. NTM is composed of three major components, 1) a temperature probe, 2) a reusable belt, and 3) a monitor. The temperature probe is held over the liver by a belt with shoulder strap. The monitor displays the infant's core temperature in °C with visual indicators corresponding to hypothermia, normothermia, and hyperthermia. The reusable temperature probe snaps into the belt.

Table 1. Subject characteristics.

Figure 2. CONSORT flow diagram.

Figure 3. Clinical evaluation setup. During testing, the abdominal belt was placed around the infant, positioning the temperature probe above the liver. A commercial patient monitor (PM) and temperature sensor were used as the gold standard. All data were recorded using logging software.

Figure 4. Top: Examples of recorded signals. NTM (solid line) and PM (dashed line) signals were continuously recorded throughout the study. Axillary measurements (black diamonds) were collected every hour. **(A):** An example showing constant core temperature. **(B):** An example during nursing. An increase in the subject's temperature is observed during nursing, shown by both PM and the NTM device. In both recordings, NTM signal was within ± 0.5 °C (dotted line) of the PM and axillary temperatures. **Bottom: Bland-Altman plots** comparing the temperatures recorded from **(C)** NTM and Patient Monitor, **(D)** Patient Monitor and Axillary Measurement, **(E)** NTM and Axillary Measurement. Biases are shown using a dashed line. 95% Confidence Interval (CI) Upper and Lower limits of agreement (ULOA, LLOA respectively) are shown using a dotted line.

Evaluation of a continuous Neonatal Temperature Monitor for low-resource settings: a device feasibility pilot study.

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3 **1 SUPPLEMENTARY INFORMATION CAPTIONS**
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5 2 S01- Laboratory validation of NTM data.
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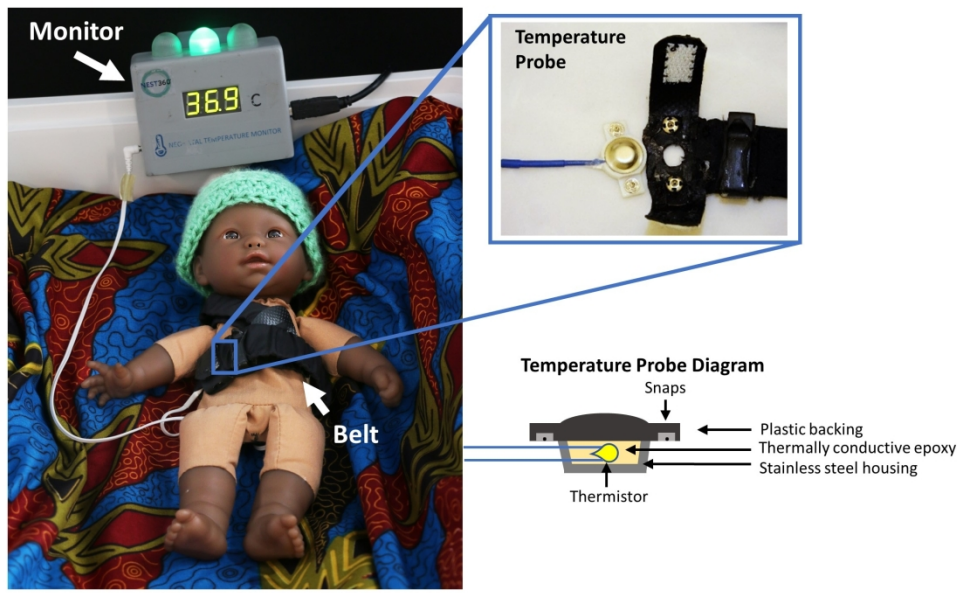
7 3 S02A- Temperature vs Time Data for Fig 4A.
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9 4 S02B- Temperature vs Time Data for Fig 4B.
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11 5 S03- Bland Altman Data for Fig 4CDE.
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203x127mm (300 x 300 DPI)

Excluded (n = 0)

Allocated to intervention (n = 39)

Received allocated intervention (n = 39)

Did not receive allocated intervention (n = 0)

Discontinued intervention (n = 0)

16 Analyzed (n= 35)

17 Excluded from analysis (n = 4)

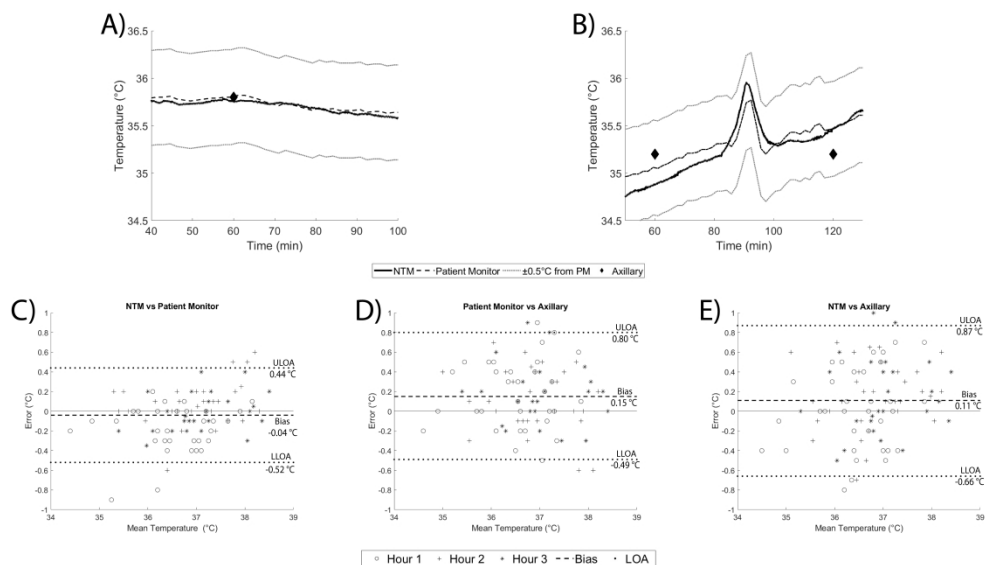
- 18 • Bad connection between device and logging computer (n = 2)
- 19 • Faulty connection between probe and device (n = 1)
- 20 • Faulty belt (n = 1)

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Laboratory Accuracy Data NTM device vs Reference Thermometer (RT)

Waterbath set temperature	Probe No.	Reference Thermometer (RT)		NTM Test Units			RT mean (T30min-T0)/2	NTM Test Unit - RT		
		RT temp @ time= 0	RT temp @ time= 30 min	A	B	C		A error	B error	C error
36°C	1	35.54	35.54	35.54	35.57	35.57	35.54	0	-0.03	0.03
	2	35.54	35.57	35.68	35.66	35.68	35.555	0.125	-0.105	0.125
	3	35.58	35.62	35.62	35.62	35.67	35.6	0.02	-0.02	0.07
31°C	1	30.31	30.32	30.32	30.32	30.28	30.315	0.005	-0.005	-0.035
	2	30.27	30.45	30.39	30.35	30.38	30.36	0.03	-0.01	0.02
	3	30.26	30.34	30.33	30.34	30.36	30.3	0.03	-0.04	0.06
41°C	1	41.05	41.03	41.06	41.09	41.09	41.04	0.02	-0.05	0.05
	2	41.06	41.05	41.25	41.2	41.19	41.055	0.195	-0.145	0.135
	3	41.03	41.02	41.12	41.16	41.13	41.025	0.095	-0.135	0.105

min error	-0.035 °C
max error	0.195 °C
avg error	0.059 °C

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Temperature vs Time Data For Figure 4 A

Patient Monitor		NTM	
Time (min)	Temp (°C)	Time (min)	Temp (°C)
40.00567295	35.8	40.00584027	36.66
40.02234198	35.8	40.02250937	36.49
40.03901101	35.8	40.03917847	36.6
40.05568005	35.8	40.05584757	36.6
40.07234908	35.8	40.07251667	36.63
40.08901811	35.8	40.08918577	36.63
40.10568714	35.8	40.10585487	36.63
40.12235617	35.8	40.12252397	36.66
40.1390252	35.8	40.13919307	36.66
40.15569423	35.8	40.15586217	36.6
40.17236326	35.8	40.17253127	36.63
40.18903229	35.8	40.18920037	36.63
40.20570132	35.8	40.20586947	36.6
40.22237035	35.8	40.22253857	36.66
40.23903938	35.79	40.23920767	36.63
40.25570841	35.79	40.25587677	36.69
40.27237744	35.79	40.27254587	36.6
40.28904647	35.79	40.28921497	36.6
40.3057155	35.79	40.30588407	36.6
40.32238453	35.79	40.32255317	36.63
40.33905356	35.79	40.33922227	36.69
40.35572259	35.79	40.35589137	36.6
40.37239162	35.79	40.37256047	36.63
40.38906065	35.79	40.38922957	36.6
40.40572968	35.79	40.40589867	36.63
40.42239871	35.79	40.42256777	36.6
40.43906774	35.79	40.43923687	36.57
40.45573677	35.79	40.45590597	36.63
40.47240581	35.79	40.47257507	36.63
40.48907484	35.79	40.48924417	36.66
40.50574387	35.79	40.50591327	36.66
40.5224129	35.79	40.52258237	36.6
40.53908193	35.79	40.53925147	36.63
40.55575096	35.79	40.55592057	36.6
40.57241999	35.79	40.57258967	36.6
40.58908902	35.79	40.58925877	36.66
40.60575805	35.79	40.60592787	36.81
40.62242708	35.79	40.62259697	36.66
40.63909611	35.79	40.63926607	36.57
40.65576514	35.79	40.65593517	36.6
40.67243417	35.79	40.67260427	36.63
40.6891032	35.8	40.68927337	36.6
40.70577223	35.79	40.70594247	36.63

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2	40.72244126	35.8	40.72261157	36.6
3	40.73911029	35.79	40.73928067	36.69
4	40.75577932	35.79	40.75594977	36.63
5	40.77244835	35.79	40.77261887	36.6
6	40.78911738	35.79	40.78928797	36.57
7	40.80578641	35.79	40.80595707	36.6
8	40.82245544	35.8	40.82262617	36.63
9	40.83912447	35.8	40.83929527	36.6
10	40.8557935	35.8	40.85596437	36.66
11	40.87246253	35.8	40.87263347	36.66
12	40.88913157	35.8	40.88930257	36.6
13	40.9058006	35.8	40.90597167	36.63
14	40.92246963	35.8	40.92264077	36.63
15	40.93913866	35.79	40.93930987	36.66
16	40.95580769	35.79	40.95597898	36.66
17	40.97247672	35.8	40.97264808	36.57
18	40.98914575	35.8	40.98931718	36.57
19	41.00581478	35.8	41.00598628	36.6
20	41.02248381	35.8	41.02265538	36.63
21	41.03915284	35.8	41.03932448	36.69
22	41.05582187	35.8	41.05599358	36.66
23	41.0724909	35.8	41.07266268	36.57
24	41.08915993	35.8	41.08933178	36.6
25	41.10582896	35.8	41.10600088	36.66
26	41.12249799	35.8	41.12266998	36.69
27	41.13916702	35.8	41.13933908	36.6
28	41.15583605	35.8	41.15600818	36.57
29	41.17250508	35.8	41.17267728	36.63
30	41.18917411	35.8	41.18934638	36.69
31	41.20584314	35.8	41.20601548	36.63
32	41.22251217	35.8	41.22268458	36.57
33	41.2391812	35.8	41.23935368	36.63
34	41.25585023	35.8	41.25602278	36.69
35	41.27251926	35.8	41.27269188	36.63
36	41.28918829	35.8	41.28936098	36.6
37	41.30585733	35.8	41.30603008	36.63
38	41.32252636	35.8	41.32269918	36.63
39	41.33919539	35.8	41.33936828	36.6
40	41.35586442	35.8	41.35603738	36.63
41	41.37253345	35.79	41.37270648	36.69
42	41.38920248	35.79	41.38937558	36.57
43	41.40587151	35.79	41.40604468	36.6
44	41.42254054	35.79	41.42271378	36.66
45	41.43920957	35.79	41.43938288	36.66
46	41.4558786	35.79	41.45605198	36.57
47	41.47254763	35.79	41.47272108	36.57
48	41.48921666	35.79	41.48939018	36.66
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2	41.50588569	35.8	41.50605928	36.63
3	41.52255472	35.8	41.52272838	36.57
4	41.53922375	35.8	41.53939748	36.57
5	41.55589278	35.8	41.55606658	36.6
6	41.57256181	35.8	41.57273568	36.63
7	41.58923084	35.8	41.58940478	36.66
8	41.60589987	35.79	41.60607388	36.6
9	41.6225689	35.79	41.62274298	36.6
10	41.63923793	35.79	41.63941208	36.6
11	41.65590696	35.79	41.65608118	36.66
12	41.67257599	35.79	41.67275028	36.57
13	41.68924502	35.8	41.68941938	36.57
14	41.70591405	35.8	41.70608848	36.69
15	41.72258309	35.8	41.72275758	36.6
16	41.73925212	35.8	41.73942668	36.6
17	41.75592115	35.8	41.75609578	36.57
18	41.77259018	35.8	41.77276488	36.6
19	41.78925921	35.8	41.78943398	36.63
20	41.80592824	35.8	41.80610308	36.6
21	41.82259727	35.8	41.82277218	36.6
22	41.8392663	35.8	41.83944128	36.57
23	41.85593533	35.8	41.85611038	36.63
24	41.87260436	35.8	41.87277948	36.66
25	41.88927339	35.8	41.88944858	36.63
26	41.90594242	35.8	41.90611768	36.63
27	41.92261145	35.8	41.92278678	36.6
28	41.93928048	35.8	41.93945588	36.6
29	41.95594951	35.8	41.95612498	36.63
30	41.97261854	35.8	41.97279408	36.66
31	41.98928757	35.8	41.98946318	36.57
32	42.0059566	35.8	42.00613228	36.57
33	42.02262563	35.8	42.02280138	36.66
34	42.03929466	35.8	42.03947048	36.63
35	42.05596369	35.8	42.05613958	36.6
36	42.07263272	35.8	42.07280868	36.63
37	42.08930175	35.8	42.08947778	36.57
38	42.10597078	35.8	42.10614688	36.6
39	42.12263981	35.8	42.12281598	36.69
40	42.13930885	35.8	42.13948508	36.6
41	42.15597788	35.8	42.15615418	36.57
42	42.17264691	35.8	42.17282328	36.66
43	42.18931594	35.8	42.18949238	36.63
44	42.20598497	35.8	42.20616148	36.57
45	42.222654	35.8	42.22283058	36.66
46	42.23932303	35.8	42.23949968	36.63
47	42.25599206	35.8	42.25616878	36.6
48	42.27266109	35.8	42.27283788	36.66
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2	42.28933012	35.8	42.28950698	36.6
3	42.30599915	35.8	42.30617608	36.63
4	42.32266818	35.8	42.32284518	36.6
5	42.33933721	35.8	42.33951428	36.57
6	42.35600624	35.8	42.35618338	36.6
7	42.37267527	35.8	42.37285248	36.63
8	42.37267527	35.8	42.37285248	36.63
9	42.3893443	35.8	42.38952158	36.63
10	42.40601333	35.8	42.40619068	36.57
11	42.42268236	35.8	42.42285978	36.57
12	42.42268236	35.8	42.42285978	36.57
13	42.43935139	35.8	42.43952888	36.6
14	42.45602042	35.8	42.45619799	36.63
15	42.47268945	35.8	42.47286709	36.72
16	42.48935848	35.8	42.48953619	36.63
17	42.50602751	35.8	42.50620529	36.6
18	42.52269654	35.8	42.52287439	36.6
19	42.52269654	35.8	42.52287439	36.6
20	42.53936557	35.8	42.53954349	36.66
21	42.55603461	35.8	42.55621259	36.6
22	42.57270364	35.8	42.57288169	36.63
23	42.58937267	35.8	42.58955079	36.6
24	42.58937267	35.8	42.58955079	36.6
25	42.6060417	35.8	42.60621989	36.69
26	42.62271073	35.8	42.62288899	36.6
27	42.63937976	35.8	42.63955809	36.6
28	42.65604879	35.8	42.65622719	36.69
29	42.67271782	35.8	42.67289629	36.6
30	42.67271782	35.8	42.67289629	36.6
31	42.68938685	35.8	42.68956539	36.72
32	42.70605588	35.8	42.70623449	36.63
33	42.72272491	35.8	42.72290359	36.6
34	42.73939394	35.8	42.73957269	36.55
35	42.75606297	35.8	42.75624179	36.46
36	42.75606297	35.8	42.75624179	36.46
37	42.772732	35.8	42.77291089	36.63
38	42.78940103	35.8	42.78957999	36.63
39	42.80607006	35.8	42.80624909	36.63
40	42.82273909	35.8	42.82291819	36.6
41	42.82273909	35.8	42.82291819	36.6
42	42.83940812	35.8	42.83958729	36.6
43	42.85607715	35.8	42.85625639	36.6
44	42.87274618	35.8	42.87292549	36.63
45	42.88941521	35.8	42.88959459	36.63
46	42.90608424	35.8	42.90626369	36.69
47	42.90608424	35.8	42.90626369	36.69
48	42.92275327	35.8	42.92293279	36.69
49	42.9394223	35.8	42.93960189	36.6
50	42.95609133	35.8	42.95627099	36.6
51	42.97276036	35.8	42.97294009	36.6
52	42.97276036	35.8	42.97294009	36.6
53	42.9894294	35.8	42.98960919	36.69
54	43.00609843	35.8	43.00627829	36.63
55	43.02276746	35.8	43.02294739	36.69
56	43.03943649	35.8	43.03961649	36.6
57	43.05610552	35.79	43.05628559	36.6
58	43.05610552	35.79	43.05628559	36.6
59				
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2	43.07277455	35.8	43.07295469	36.6
3	43.08944358	35.8	43.08962379	36.69
4	43.10611261	35.8	43.10629289	36.69
5	43.12278164	35.8	43.12296199	36.69
6	43.13945067	35.8	43.13963109	36.6
7	43.1561197	35.8	43.15630019	36.6
8	43.17278873	35.8	43.17296929	36.63
9	43.18945776	35.8	43.18963839	36.63
10	43.20612679	35.8	43.20630749	36.69
11	43.22279582	35.8	43.22297659	36.6
12	43.23946485	35.8	43.23964569	36.6
13	43.25613388	35.8	43.25631479	36.6
14	43.27280291	35.8	43.27298389	36.6
15	43.28947194	35.8	43.28965299	36.63
16	43.30614097	35.8	43.30632209	36.69
17	43.32281	35.8	43.32299119	36.63
18	43.33947903	35.8	43.33966029	36.63
19	43.35614806	35.8	43.35632939	36.6
20	43.37281709	35.8	43.37299849	36.6
21	43.38948612	35.8	43.38966759	36.6
22	43.40615516	35.79	43.40633669	36.66
23	43.42282419	35.79	43.42300579	36.66
24	43.43949322	35.79	43.43967489	36.66
25	43.45616225	35.79	43.45634399	36.6
26	43.47283128	35.79	43.47301309	36.6
27	43.48950031	35.79	43.48968219	36.66
28	43.50616934	35.79	43.50635129	36.69
29	43.52283837	35.79	43.52302039	36.69
30	43.5395074	35.79	43.53968949	36.63
31	43.55617643	35.79	43.55635859	36.6
32	43.57284546	35.79	43.57302769	36.6
33	43.58951449	35.79	43.58969679	36.69
34	43.60618352	35.79	43.60636589	36.63
35	43.62285255	35.79	43.62303499	36.69
36	43.63952158	35.79	43.63970409	36.6
37	43.65619061	35.79	43.65637319	36.6
38	43.67285964 NaN		43.67304229	36.6
39	43.68952867	35.79	43.68971139	36.63
40	43.7061977	35.79	43.70638049	36.63
41	43.72286673	35.79	43.72304959	36.66
42	43.73953576	35.79	43.73971869	36.69
43	43.75620479	35.79	43.75638779	36.63
44	43.77287382	35.79	43.77305689	36.63
45	43.78954285	35.79	43.78972599	36.6
46	43.80621188	35.79	43.80639509	36.63
47	43.82288092	35.79	43.82306419	36.6
48	43.83954995	35.79	43.83973329	36.72

1				
2	43.85621898	35.79	43.85640239	36.63
3	43.87288801	35.79	43.87307149	36.6
4	43.88955704	35.79	43.88974059	36.6
5	43.90622607	35.79	43.90640969	36.66
6				
7	43.9228951	35.79	43.92307879	36.55
8	43.93956413	35.79	43.9397479	36.69
9	43.95623316	35.79	43.956417	36.63
10	43.97290219	35.79	43.9730861	36.63
11	43.98957122	35.79	43.9897552	36.6
12	44.00624025	35.79	44.0064243	36.57
13				
14	44.02290928	35.79	44.0230934	36.6
15	44.03957831	35.79	44.0397625	36.66
16	44.05624734	35.79	44.0564316	36.66
17	44.07291637	35.8	44.0731007	36.63
18				
19	44.0895854	35.8	44.0897698	36.6
20	44.10625443	35.8	44.1064389	36.6
21	44.12292346	35.8	44.123108	36.63
22				
23	44.13959249	35.8	44.1397771	36.6
24	44.15626152	35.8	44.1564462	36.72
25	44.17293055	35.8	44.1731153	36.63
26	44.18959958	35.8	44.1897844	36.6
27	44.20626861	35.8	44.2064535	36.6
28	44.22293764	35.8	44.2231226	36.63
29				
30	44.23960668	35.8	44.2397917	36.55
31	44.25627571	35.8	44.2564608	36.66
32	44.27294474	35.8	44.2731299	36.66
33	44.28961377	35.8	44.289799	36.63
34				
35	44.3062828	35.8	44.3064681	36.6
36	44.32295183	35.8	44.3231372	36.6
37	44.33962086	35.8	44.3398063	36.69
38	44.35628989	35.8	44.3564754	36.69
39	44.37295892	35.8	44.3731445	36.57
40				
41	44.38962795	35.81	44.3898136	36.63
42	44.40629698	35.81	44.4064827	36.63
43	44.42296601	35.81	44.4231518	36.6
44	44.43963504	35.81	44.4398209	36.66
45	44.45630407	35.81	44.45649	36.69
46				
47	44.4729731	35.81	44.4731591	36.66
48	44.48964213	35.81	44.4898282	36.6
49	44.50631116	35.81	44.5064973	36.6
50	44.52298019	35.81	44.5231664	36.63
51	44.53964922	35.81	44.5398355	36.66
52	44.55631825	35.81	44.5565046	36.57
53				
54	44.57298728	35.81	44.5731737	36.63
55	44.58965631	35.81	44.5898428	36.55
56	44.60632534	35.81	44.6065119	36.6
57				
58	44.62299437	35.81	44.623181	36.63
59				
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2	44.6396634	35.81	44.6398501	36.63
3	44.65633244	35.81	44.6565192	36.63
4	44.67300147	35.81	44.6731883	36.63
5	44.6896705	35.81	44.6898574	36.6
6				
7	44.70633953	35.81	44.7065265	36.6
8	44.72300856	35.81	44.7231956	36.6
9	44.73967759	35.81	44.7398647	36.6
10	44.75634662	35.81	44.7565338	36.63
11	44.77301565	35.81	44.7732029	36.63
12	44.78968468	35.81	44.789872	36.63
13				
14	44.80635371	35.81	44.8065411	36.66
15	44.82302274	35.81	44.8232102	36.52
16	44.83969177	35.81	44.8398793	36.6
17	44.8563608	35.81	44.8565484	36.6
18				
19	44.87302983	35.81	44.8732175	36.69
20	44.88969886	35.81	44.8898866	36.66
21	44.90636789	35.81	44.9065557	36.6
22	44.92303692	35.81	44.9232248	36.63
23	44.93970595	35.81	44.9398939	36.6
24	44.95637498	35.81	44.956563	36.66
25				
26	44.97304401	35.81	44.9732321	36.57
27	44.98971304	35.81	44.9899012	36.69
28	45.00638207	35.81	45.0065703	36.63
29				
30	45.0230511	35.81	45.0232394	36.57
31	45.03972013	35.81	45.0399085	36.6
32	45.05638916	35.81	45.0565776	36.63
33	45.0730582	35.81	45.0732467	36.63
34	45.08972723	35.81	45.0899158	36.57
35	45.10639626	35.81	45.1065849	36.6
36				
37	45.12306529	35.81	45.123254	36.63
38	45.13973432	35.81	45.1399231	36.63
39	45.15640335	35.81	45.1565922	36.57
40	45.17307238	35.81	45.1732613	36.6
41	45.18974141	35.81	45.1899304	36.69
42	45.20641044	35.81	45.2065995	36.63
43	45.22307947	35.81	45.2232686	36.6
44	45.2397485	35.81	45.2399377	36.57
45				
46	45.25641753	35.81	45.2566068	36.69
47	45.27308656	35.81	45.2732759	36.63
48	45.28975559	35.81	45.289945	36.6
49	45.30642462	35.81	45.3066141	36.63
50	45.32309365	35.81	45.3232832	36.57
51	45.33976268	35.81	45.3399523	36.63
52	45.35643171	35.81	45.3566214	36.6
53	45.37310074	35.8	45.3732905	36.57
54	45.38976977	35.8	45.3899596	36.57
55	45.4064388	35.8	45.4066287	36.6
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2	45.42310783	35.8	45.42329781	36.66
3	45.43977686	35.8	45.43996691	36.63
4	45.45644589	35.8	45.45663601	36.6
5	45.47311492	35.8	45.47330511	36.57
6	45.48978395	35.8	45.48997421	36.66
7	45.50645299	35.8	45.50664331	36.63
8	45.52312202	35.79	45.52331241	36.63
9	45.53979105	35.79	45.53998151	36.6
10	45.55646008	35.79	45.55665061	36.57
11	45.57312911	35.79	45.57331971	36.6
12	45.58979814	35.79	45.58998881	36.63
13	45.60646717	35.79	45.60665791	36.57
14	45.6231362	35.78	45.62332701	36.6
15	45.63980523	35.78	45.63999611	36.66
16	45.65647426	35.78	45.65666521	36.63
17	45.67314329	35.78	45.67333431	36.6
18	45.68981232	35.78	45.69000341	36.63
19	45.70648135	35.78	45.70667251	36.63
20	45.72315038	35.78	45.72334161	36.57
21	45.73981941	35.78	45.74001071	36.6
22	45.75648844	35.78	45.75667981	36.63
23	45.77315747	35.78	45.77334891	36.6
24	45.7898265	35.78	45.79001801	36.6
25	45.80649553	35.78	45.80668711	36.63
26	45.82316456	35.78	45.82335621	36.57
27	45.83983359	35.78	45.84002531	36.63
28	45.85650262	35.78	45.85669441	36.6
29	45.87317165	35.78	45.87336351	36.57
30	45.88984068	35.78	45.89003261	36.57
31	45.90650971	35.78	45.90670171	36.6
32	45.92317875	35.78	45.92337081	36.6
33	45.93984778	35.78	45.94003991	36.6
34	45.95651681	35.78	45.95670901	36.6
35	45.97318584	35.78	45.97337811	36.57
36	45.98985487	35.78	45.99004721	36.57
37	46.0065239	35.78	46.00671631	36.57
38	46.02319293	35.78	46.02338541	36.57
39	46.03986196	35.78	46.04005451	36.6
40	46.05653099	35.78	46.05672361	36.63
41	46.07320002	35.78	46.07339271	36.6
42	46.08986905	35.78	46.09006181	36.57
43	46.10653808	35.78	46.10673091	36.6
44	46.12320711	35.78	46.12340001	36.55
45	46.13987614	35.78	46.14006911	36.6
46	46.15654517	35.78	46.15673821	36.69
47	46.1732142	35.78	46.17340731	36.6
48	46.18988323	35.78	46.19007641	36.57
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2	46.20655226	35.78	46.20674551	36.66
3	46.22322129	35.78	46.22341461	36.6
4	46.23989032	35.78	46.24008371	36.57
5	46.25655935	35.78	46.25675281	36.66
6	46.27322838	35.78	46.27342191	36.6
7	46.28989741	35.78	46.29009101	36.6
8	46.30656644	35.78	46.30676011	36.69
9	46.32323547	35.77	46.32342921	36.63
10	46.33990451	35.77	46.34009831	36.57
11	46.35657354	35.78	46.35676741	36.6
12	46.37324257	35.78	46.37343651	36.6
13	46.3899116	35.78	46.39010561	36.57
14	46.40658063	35.77	46.40677471	36.49
15	46.42324966	35.77	46.42344381	36.55
16	46.43991869	35.78	46.44011291	36.57
17	46.45658772	35.78	46.45678201	36.6
18	46.47325675	35.77	46.47345111	36.57
19	46.48992578	35.77	46.49012021	36.57
20	46.50659481	35.77	46.50678931	36.57
21	46.52326384	35.78	46.52345841	36.57
22	46.53993287	35.78	46.54012751	36.57
23	46.5566019	35.77	46.55679661	36.6
24	46.57327093	35.77	46.57346571	36.6
25	46.58993996	35.77	46.59013481	36.6
26	46.60660899	35.77	46.60680391	36.57
27	46.62327802	35.77	46.62347301	36.57
28	46.63994705	35.77	46.64014211	36.57
29	46.65661608	35.77	46.65681121	36.6
30	46.67328511	35.77	46.67348031	36.6
31	46.68995414	35.77	46.69014941	36.55
32	46.70662317	35.78	46.70681851	36.63
33	46.7232922	35.77	46.72348761	36.6
34	46.73996123	35.77	46.74015671	36.57
35	46.75663027	35.77	46.75682581	36.63
36	46.7732993	35.77	46.77349491	36.6
37	46.78996833	35.77	46.79016401	36.55
38	46.80663736	35.78	46.80683311	36.63
39	46.82330639	35.77	46.82350221	36.6
40	46.83997542	35.77	46.84017131	36.57
41	46.85664445	35.77	46.85684041	36.55
42	46.87331348	35.78	46.87350951	36.6
43	46.88998251	35.77	46.89017861	36.63
44	46.90665154	35.77	46.90684771	36.6
45	46.92332057	35.77	46.92351682	36.55
46	46.9399896	35.77	46.94018592	36.6
47	46.95665863	35.78	46.95685502	36.6
48	46.97332766	35.78	46.97352412	36.57
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2	46.98999669	35.78	46.99019322	36.63
3	47.00666572	35.78	47.00686232	36.6
4	47.02333475	35.78	47.02353142	36.6
5	47.04000378	35.77	47.04020052	36.6
6	47.05667281	35.77	47.05686962	36.6
7	47.07334184	35.77	47.07353872	36.6
8	47.09001087	35.77	47.09020782	36.57
9	47.1066799	35.77	47.10687692	36.55
10	47.12334893	35.77	47.12354602	36.57
11	47.14001796	35.77	47.14021512	36.66
12	47.15668699	35.77	47.15688422	36.57
13	47.17335603	35.77	47.17355332	36.57
14	47.19002506	35.77	47.19022242	36.66
15	47.20669409	35.78	47.20689152	36.55
16	47.22336312	35.78	47.22356062	36.66
17	47.24003215	35.78	47.24022972	36.57
18	47.25670118	35.78	47.25689882	36.6
19	47.27337021	35.78	47.27356792	36.6
20	47.29003924	35.78	47.29023702	36.6
21	47.30670827	35.78	47.30690612	36.57
22	47.3233773	35.78	47.32357522	36.57
23	47.34004633	35.78	47.34024432	36.6
24	47.35671536	35.77	47.35691342	36.57
25	47.37338439	35.77	47.37358252	36.6
26	47.39005342	35.77	47.39025162	36.57
27	47.40672245	35.77	47.40692072	36.57
28	47.42339148	35.77	47.42358982	36.66
29	47.44006051	35.78	47.44025892	36.6
30	47.45672954	35.78	47.45692802	36.57
31	47.47339857	35.78	47.47359712	36.63
32	47.4900676	35.78	47.49026622	36.55
33	47.50673663	35.78	47.50693532	36.63
34	47.52340566	35.78	47.52360442	36.6
35	47.54007469	35.78	47.54027352	36.6
36	47.55674372	35.77	47.55694262	36.66
37	47.57341275	35.77	47.57361172	36.63
38	47.59008179	35.77	47.59028082	36.6
39	47.60675082	35.78	47.60694992	36.6
40	47.62341985	35.78	47.62361902	36.6
41	47.64008888	35.77	47.64028812	36.6
42	47.65675791	35.77	47.65695722	36.75
43	47.67342694	35.77	47.67362632	36.57
44	47.69009597	35.77	47.69029542	36.57
45	47.706765	35.77	47.70696452	36.63
46	47.72343403	35.77	47.72363362	36.57
47	47.74010306	35.77	47.74030272	36.63
48	47.75677209	35.77	47.75697182	36.63
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2	47.77344112	35.77	47.77364092	36.6
3	47.79011015	35.77	47.79031002	36.63
4	47.80677918	35.77	47.80697912	36.6
5	47.82344821	35.77	47.82364822	36.6
6	47.84011724	35.77	47.84031732	36.6
7	47.85678627	35.77	47.85698642	36.57
8	47.8734553	35.77	47.87365552	36.55
9	47.89012433	35.77	47.89032462	36.57
10	47.90679336	35.77	47.90699372	36.6
11	47.92346239	35.77	47.92366282	36.57
12	47.94013142	35.77	47.94033192	36.66
13	47.95680045	35.77	47.95700102	36.6
14	47.97346948	35.76	47.97367012	36.63
15	47.99013851	35.76	47.99033922	36.6
16	48.00680755	35.76	48.00700832	36.6
17	48.02347658	35.76	48.02367742	36.6
18	48.04014561	35.76	48.04034652	36.57
19	48.05681464	35.76	48.05701562	36.57
20	48.07348367	35.76	48.07368472	36.6
21	48.0901527	35.76	48.09035382	36.57
22	48.10682173	35.76	48.10702292	36.57
23	48.12349076	35.76	48.12369202	36.66
24	48.14015979	35.75	48.14036112	36.6
25	48.15682882	35.75	48.15703022	36.63
26	48.17349785	35.75	48.17369932	36.6
27	48.19016688	35.75	48.19036842	36.6
28	48.20683591	35.75	48.20703752	36.66
29	48.22350494	35.75	48.22370662	36.57
30	48.24017397	35.75	48.24037572	36.57
31	48.256843	35.75	48.25704482	36.6
32	48.27351203	35.75	48.27371392	36.6
33	48.29018106	35.75	48.29038302	36.55
34	48.30685009	35.74	48.30705212	36.63
35	48.32351912	35.74	48.32372122	36.6
36	48.34018815	35.74	48.34039032	36.66
37	48.35685718	35.74	48.35705942	36.6
38	48.37352621	35.74	48.37372852	36.57
39	48.39019524	35.74	48.39039762	36.57
40	48.40686427	35.74	48.40706673	36.6
41	48.4235333	35.74	48.42373583	36.6
42	48.44020234	35.74	48.44040493	36.63
43	48.45687137	35.74	48.45707403	36.57
44	48.4735404	35.74	48.47374313	36.57
45	48.49020943	35.74	48.49041223	36.69
46	48.50687846	35.74	48.50708133	36.6
47	48.52354749	35.74	48.52375043	36.63
48	48.54021652	35.74	48.54041953	36.6
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2	48.55688555	35.74	48.55708863	36.57
3	48.57355458	35.74	48.57375773	36.6
4	48.59022361	35.74	48.59042683	36.6
5	48.60689264	35.74	48.60709593	36.57
6	48.62356167	35.74	48.62376503	36.63
7	48.6402307	35.74	48.64043413	36.6
8	48.65689973	35.74	48.65710323	36.6
9	48.67356876	35.74	48.67377233	36.6
10	48.69023779	35.75	48.69044143	36.55
11	48.70690682	35.75	48.70711053	36.66
12	48.72357585	35.74	48.72377963	36.6
13	48.74024488	35.74	48.74044873	36.57
14	48.75691391	35.74	48.75711783	36.57
15	48.77358294	35.74	48.77378693	36.6
16	48.79025197	35.74	48.79045603	36.6
17	48.806921	35.74	48.80712513	36.63
18	48.82359003	35.74	48.82379423	36.57
19	48.84025906	35.74	48.84046333	36.63
20	48.8569281	35.74	48.85713243	36.63
21	48.87359713	35.74	48.87380153	36.6
22	48.89026616	35.75	48.89047063	36.6
23	48.90693519	35.74	48.90713973	36.57
24	48.92360422	35.74	48.92380883	36.55
25	48.94027325	35.75	48.94047793	36.66
26	48.95694228	35.74	48.95714703	36.6
27	48.97361131	35.75	48.97381613	36.6
28	48.99028034	35.75	48.99048523	36.6
29	49.00694937	35.75	49.00715433	36.57
30	49.0236184	35.74	49.02382343	36.66
31	49.04028743	35.75	49.04049253	36.6
32	49.05695646	35.75	49.05716163	36.57
33	49.07362549	35.75	49.07383073	36.57
34	49.09029452	35.75	49.09049983	36.57
35	49.10696355	35.75	49.10716893	36.6
36	49.12363258	35.75	49.12383803	36.66
37	49.14030161	35.75	49.14050713	36.6
38	49.15697064	35.75	49.15717623	36.63
39	49.17363967	35.75	49.17384533	36.6
40	49.1903087	35.75	49.19051443	36.57
41	49.20697773	35.75	49.20718353	36.6
42	49.22364676	35.75	49.22385263	36.6
43	49.24031579	35.75	49.24052173	36.57
44	49.25698482	35.75	49.25719083	36.63
45	49.27365386	35.75	49.27385993	36.57
46	49.29032289	35.75	49.29052903	36.63
47	49.30699192	35.75	49.30719813	36.63
48	49.32366095	35.75	49.32386723	36.57
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2	49.34032998	35.75	49.34053633	36.57
3	49.35699901	35.75	49.35720543	36.6
4	49.37366804	35.75	49.37387453	36.63
5	49.39033707	35.75	49.39054363	36.63
6				
7	49.4070061	35.75	49.40721273	36.57
8	49.42367513	35.75	49.42388183	36.69
9	49.44034416	35.75	49.44055093	36.6
10	49.45701319	35.75	49.45722003	36.55
11	49.47368222	35.76	49.47388913	36.6
12	49.49035125	35.76	49.49055823	36.6
13				
14	49.50702028	35.76	49.50722733	36.57
15	49.52368931	35.76	49.52389643	36.63
16	49.54035834	35.75	49.54056553	36.6
17	49.55702737	35.75	49.55723463	36.66
18				
19	49.5736964	35.76	49.57390373	36.6
20	49.59036543	35.76	49.59057283	36.57
21	49.60703446	35.76	49.60724193	36.6
22	49.62370349	35.76	49.62391103	36.6
23	49.64037252	35.76	49.64058013	36.57
24	49.65704155	35.76	49.65724923	36.63
25				
26	49.67371058 NaN		49.67391833	36.6
27	49.69037962	35.76	49.69058743	36.66
28	49.70704865	35.76	49.70725653	36.63
29	49.72371768	35.76	49.72392563	36.57
30	49.74038671	35.76	49.74059473	36.57
31	49.75705574	35.76	49.75726383	36.6
32	49.77372477	35.76	49.77393293	36.6
33				
34	49.7903938	35.76	49.79060203	36.66
35	49.80706283	35.76	49.80727113	36.57
36	49.82373186	35.76	49.82394023	36.63
37	49.84040089	35.76	49.84060933	36.63
38	49.85706992	35.76	49.85727843	36.63
39	49.87373895	35.76	49.87394753	36.6
40	49.89040798	35.76	49.89061664	36.57
41	49.90707701	35.76	49.90728574	36.57
42	49.92374604	35.76	49.92395484	36.66
43	49.94041507	35.75	49.94062394	36.6
44				
45	49.9570841	35.75	49.95729304	36.66
46	49.97375313	35.76	49.97396214	36.6
47	49.99042216	35.76	49.99063124	36.57
48	50.00709119	35.76	50.00730034	36.6
49	50.02376022	35.76	50.02396944	36.6
50	50.04042925	35.76	50.04063854	36.57
51	50.05709828	35.76	50.05730764	36.63
52	50.07376731	35.76	50.07397674	36.6
53	50.09043634	35.76	50.09064584	36.63
54	50.10710538	35.76	50.10731494	36.6
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2	50.12377441	35.76	50.12398404	36.6
3	50.14044344	35.76	50.14065314	36.6
4	50.15711247	35.76	50.15732224	36.57
5	50.1737815	35.76	50.17399134	36.6
6				
7	50.19045053	35.76	50.19066044	36.63
8	50.20711956	35.76	50.20732954	36.57
9	50.22378859	35.76	50.22399864	36.63
10	50.24045762	35.76	50.24066774	36.63
11	50.25712665	35.76	50.25733684	36.57
12	50.27379568	35.76	50.27400594	36.6
13				
14	50.29046471	35.76	50.29067504	36.6
15	50.30713374	35.76	50.30734414	36.6
16	50.32380277	35.76	50.32401324	36.63
17	50.3404718	35.76	50.34068234	36.55
18	50.35714083	35.76	50.35735144	36.57
19				
20	50.37380986	35.76	50.37402054	36.63
21	50.39047889	35.76	50.39068964	36.6
22	50.40714792	35.76	50.40735874	36.63
23	50.42381695	35.76	50.42402784	36.57
24	50.44048598	35.76	50.44069694	36.63
25	50.45715501	35.76	50.45736604	36.63
26	50.47382404	35.76	50.47403514	36.6
27	50.49049307	35.76	50.49070424	36.6
28				
29	50.5071621	35.76	50.50737334	36.57
30	50.52383114	35.76	50.52404244	36.57
31	50.54050017	35.76	50.54071154	36.66
32	50.5571692	35.76	50.55738064	36.6
33	50.57383823	35.76	50.57404974	36.63
34	50.59050726	35.76	50.59071884	36.6
35	50.60717629	35.76	50.60738794	36.6
36	50.62384532	35.76	50.62405704	36.6
37	50.64051435	35.76	50.64072614	36.57
38	50.65718338	35.76	50.65739524	36.57
39	50.67385241	35.76	50.67406434	36.66
40	50.69052144	35.76	50.69073344	36.6
41	50.70719047	35.76	50.70740254	36.66
42	50.7238595	35.76	50.72407164	36.57
43	50.74052853	35.76	50.74074074	36.57
44	50.75719756	35.76	50.75740984	36.75
45	50.77386659	35.76	50.77407894	36.6
46	50.79053562	35.76	50.79074804	36.57
47	50.80720465	35.76	50.80741714	36.6
48	50.82387368	35.76	50.82408624	36.6
49	50.84054271	35.76	50.84075534	36.57
50	50.85721174	35.76	50.85742444	36.57
51	50.87388077	35.77	50.87409354	36.57
52	50.8905498	35.77	50.89076264	36.66
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2	50.90721883	35.77	50.90743174	36.6
3	50.92388786	35.77	50.92410084	36.63
4	50.9405569	35.77	50.94076994	36.6
5	50.95722593	35.77	50.95743904	36.63
6	50.97389496	35.77	50.97410814	36.6
7	50.99056399	35.77	50.99077724	36.57
8	51.00723302	35.77	51.00744634	36.57
9	51.02390205	35.76	51.02411544	36.66
10	51.04057108	35.77	51.04078454	36.6
11	51.05724011	35.77	51.05745364	36.63
12	51.07390914	35.77	51.07412274	36.55
13	51.09057817	35.77	51.09079184	36.6
14	51.1072472	35.77	51.10746094	36.6
15	51.12391623	35.77	51.12413004	36.6
16	51.14058526	35.77	51.14079914	36.57
17	51.15725429	35.77	51.15746824	36.6
18	51.17392332	35.77	51.17413734	36.57
19	51.19059235	35.77	51.19080644	36.63
20	51.20726138	35.77	51.20747554	36.6
21	51.22393041	35.77	51.22414464	36.57
22	51.24059944	35.77	51.24081374	36.63
23	51.25726847	35.77	51.25748284	36.57
24	51.2739375	35.77	51.27415194	36.66
25	51.29060653	35.77	51.29082104	36.66
26	51.30727556	35.77	51.30749014	36.6
27	51.32394459	35.77	51.32415924	36.57
28	51.34061362	35.77	51.34082834	36.57
29	51.35728265	35.77	51.35749744	36.6
30	51.37395169	35.77	51.37416654	36.66
31	51.39062072	35.77	51.39083565	36.57
32	51.40728975	35.77	51.40750475	36.57
33	51.42395878	35.77	51.42417385	36.63
34	51.44062781	35.77	51.44084295	36.6
35	51.45729684	35.77	51.45751205	36.63
36	51.47396587	35.77	51.47418115	36.6
37	51.4906349	35.77	51.49085025	36.66
38	51.50730393	35.77	51.50751935	36.6
39	51.52397296	35.77	51.52418845	36.57
40	51.54064199	35.77	51.54085755	36.6
41	51.55731102	35.77	51.55752665	36.6
42	51.57398005	35.77	51.57419575	36.57
43	51.59064908	35.77	51.59086485	36.66
44	51.60731811	35.77	51.60753395	36.63
45	51.62398714	35.77	51.62420305	36.63
46	51.64065617	35.77	51.64087215	36.57
47	51.6573252	35.77	51.65754125	36.6
48	51.67399423	35.77	51.67421035	36.69
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2	51.69066326	35.77	51.69087945	36.6
3	51.70733229	35.77	51.70754855	36.63
4	51.72400132	35.77	51.72421765	36.6
5	51.74067035	35.77	51.74088675	36.6
6	51.75733938	35.77	51.75755585	36.6
7	51.77400841	35.77	51.77422495	36.57
8	51.79067745	35.77	51.79089405	36.57
9	51.80734648	35.77	51.80756315	36.6
10	51.82401551	35.77	51.82423225	36.6
11	51.84068454	35.77	51.84090135	36.57
12	51.85735357	35.77	51.85757045	36.57
13	51.8740226	35.77	51.87423955	36.57
14	51.89069163	35.77	51.89090865	36.66
15	51.90736066	35.77	51.90757775	36.63
16	51.92402969	35.77	51.92424685	36.66
17	51.94069872	35.77	51.94091595	36.6
18	51.95736775	35.77	51.95758505	36.57
19	51.97403678	35.77	51.97425415	36.6
20	51.99070581	35.77	51.99092325	36.6
21	52.00737484	35.77	52.00759235	36.57
22	52.02404387	35.78	52.02426145	36.6
23	52.0407129	35.77	52.04093055	36.6
24	52.05738193	35.77	52.05759965	36.6
25	52.07405096	35.77	52.07426875	36.57
26	52.09071999	35.77	52.09093785	36.57
27	52.10738902	35.77	52.10760695	36.66
28	52.12405805	35.78	52.12427605	36.63
29	52.14072708	35.78	52.14094515	36.66
30	52.15739611	35.78	52.15761425	36.57
31	52.17406514	35.78	52.17428335	36.57
32	52.19073417	35.78	52.19095245	36.66
33	52.20740321	35.78	52.20762155	36.63
34	52.22407224	35.78	52.22429065	36.63
35	52.24074127	35.78	52.24095975	36.6
36	52.2574103	35.78	52.25762885	36.57
37	52.27407933	35.78	52.27429795	36.6
38	52.29074836	35.78	52.29096705	36.63
39	52.30741739	35.78	52.30763615	36.6
40	52.32408642	35.78	52.32430525	36.6
41	52.34075545	35.78	52.34097435	36.57
42	52.35742448	35.78	52.35764345	36.66
43	52.37409351	35.78	52.37431255	36.63
44	52.39076254	35.78	52.39098165	36.6
45	52.40743157	35.78	52.40765075	36.63
46	52.4241006	35.78	52.42431985	36.57
47	52.44076963	35.78	52.44098895	36.63
48	52.45743866	35.78	52.45765805	36.63
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2	52.47410769	35.78	52.47432715	36.6
3	52.49077672	35.78	52.49099625	36.55
4	52.50744575	35.78	52.50766535	36.57
5	52.52411478	35.78	52.52433445	36.57
6	52.54078381	35.78	52.54100355	36.66
7	52.55745284	35.78	52.55767265	36.63
8	52.57412187	35.78	52.57434175	36.6
9	52.5907909	35.78	52.59101085	36.57
10	52.60745993	35.78	52.60767995	36.57
11	52.62412897	35.78	52.62434905	36.63
12	52.640798	35.78	52.64101815	36.6
13	52.65746703	35.78	52.65768725	36.69
14	52.67413606	35.78	52.67435635	36.6
15	52.69080509	35.78	52.69102545	36.57
16	52.70747412	35.78	52.70769455	36.66
17	52.72414315	35.78	52.72436365	36.63
18	52.74081218	35.78	52.74103275	36.66
19	52.75748121	35.78	52.75770185	36.6
20	52.77415024	35.78	52.77437095	36.6
21	52.79081927	35.78	52.79104005	36.63
22	52.8074883	35.78	52.80770915	36.6
23	52.82415733	35.78	52.82437825	36.57
24	52.84082636	35.78	52.84104735	36.63
25	52.85749539	35.78	52.85771645	36.63
26	52.87416442	35.78	52.87438556	36.57
27	52.89083345	35.78	52.89105466	36.57
28	52.90750248	35.78	52.90772376	36.63
29	52.92417151	35.78	52.92439286	36.66
30	52.94084054	35.78	52.94106196	36.57
31	52.95750957	35.78	52.95773106	36.66
32	52.9741786	35.78	52.97440016	36.6
33	52.99084763	35.78	52.99106926	36.57
34	53.00751666	35.78	53.00773836	36.66
35	53.02418569	35.78	53.02440746	36.63
36	53.04085473	35.78	53.04107656	36.63
37	53.05752376	35.78	53.05774566	36.6
38	53.07419279	35.78	53.07441476	36.6
39	53.09086182	35.78	53.09108386	36.63
40	53.10753085	35.78	53.10775296	36.63
41	53.12419988	35.78	53.12442206	36.6
42	53.14086891	35.78	53.14109116	36.63
43	53.15753794	35.78	53.15776026	36.57
44	53.17420697	35.78	53.17442936	36.63
45	53.190876	35.78	53.19109846	36.63
46	53.20754503	35.78	53.20776756	36.63
47	53.22421406	35.78	53.22443666	36.66
48	53.24088309	35.78	53.24110576	36.57
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2	53.25755212	35.78	53.25777486	36.63
3	53.27422115	35.78	53.27444396	36.6
4	53.29089018	35.78	53.29111306	36.63
5	53.30755921	35.78	53.30778216	36.6
6	53.32422824	35.78	53.32445126	36.6
7	53.34089727	35.78	53.34112036	36.57
8	53.3575663	35.78	53.35778946	36.6
9	53.37423533	35.78	53.37445856	36.69
10	53.39090436	35.78	53.39112766	36.63
11	53.40757339	35.78	53.40779676	36.6
12	53.42424242	35.78	53.42446586	36.63
13	53.44091145	35.78	53.44113496	36.6
14	53.45758049	35.78	53.45780406	36.63
15	53.47424952	35.78	53.47447316	36.63
16	53.49091855	35.78	53.49114226	36.63
17	53.50758758	35.78	53.50781136	36.6
18	53.52425661	35.78	53.52448046	36.57
19	53.54092564	35.78	53.54114956	36.57
20	53.55759467	35.78	53.55781866	36.6
21	53.5742637	35.78	53.57448776	36.69
22	53.59093273	35.78	53.59115686	36.63
23	53.60760176	35.78	53.60782596	36.63
24	53.62427079	35.78	53.62449506	36.55
25	53.64093982	35.78	53.64116416	36.57
26	53.65760885	35.78	53.65783326	36.63
27	53.67427788	35.78	53.67450236	36.6
28	53.69094691	35.78	53.69117146	36.63
29	53.70761594	35.78	53.70784056	36.6
30	53.72428497	35.78	53.72450966	36.6
31	53.740954	35.78	53.74117876	36.57
32	53.75762303	35.78	53.75784786	36.69
33	53.77429206	35.78	53.77451696	36.63
34	53.79096109	35.78	53.79118606	36.66
35	53.80763012	35.78	53.80785516	36.6
36	53.82429915	35.78	53.82452426	36.6
37	53.84096818	35.78	53.84119336	36.69
38	53.85763721	35.78	53.85786246	36.69
39	53.87430624	35.78	53.87453156	36.6
40	53.89097528	35.78	53.89120066	36.6
41	53.90764431	35.78	53.90786976	36.63
42	53.92431334	35.78	53.92453886	36.63
43	53.94098237	35.78	53.94120796	36.6
44	53.9576514	35.78	53.95787706	36.6
45	53.97432043	35.78	53.97454616	36.66
46	53.99098946	35.78	53.99121526	36.63
47	54.00765849	35.78	54.00788436	36.6
48	54.02432752	35.79	54.02455346	36.57
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2	54.04099655	35.78	54.04122256	36.72
3	54.05766558	35.78	54.05789166	36.63
4	54.07433461	35.78	54.07456076	36.63
5	54.09100364	35.78	54.09122986	36.6
6	54.10767267	35.78	54.10789896	36.6
7	54.1243417	35.79	54.12456806	36.66
8	54.14101073	35.79	54.14123716	36.63
9	54.15767976	35.79	54.15790626	36.63
10	54.17434879	35.79	54.17457536	36.63
11	54.19101782	35.78	54.19124446	36.6
12	54.20768685	35.78	54.20791356	36.6
13	54.22435588	35.79	54.22458266	36.72
14	54.24102491	35.79	54.24125176	36.63
15	54.25769394	35.79	54.25792086	36.6
16	54.27436297	35.79	54.27458996	36.6
17	54.291032	35.79	54.29125906	36.69
18	54.30770104	35.79	54.30792816	36.63
19	54.32437007	35.79	54.32459726	36.6
20	54.3410391	35.79	54.34126636	36.57
21	54.35770813	35.79	54.35793547	36.66
22	54.37437716	35.79	54.37460457	36.63
23	54.39104619	35.79	54.39127367	36.63
24	54.40771522	35.79	54.40794277	36.63
25	54.42438425	35.79	54.42461187	36.66
26	54.44105328	35.79	54.44128097	36.63
27	54.45772231	35.79	54.45795007	36.63
28	54.47439134	35.79	54.47461917	36.6
29	54.49106037	35.79	54.49128827	36.6
30	54.5077294	35.79	54.50795737	36.69
31	54.52439843	35.79	54.52462647	36.6
32	54.54106746	35.79	54.54129557	36.6
33	54.55773649	35.79	54.55796467	36.66
34	54.57440552	35.79	54.57463377	36.69
35	54.59107455	35.79	54.59130287	36.6
36	54.60774358	35.79	54.60797197	36.6
37	54.62441261	35.79	54.62464107	36.63
38	54.64108164	35.79	54.64131017	36.66
39	54.65775067	35.79	54.65797927	36.66
40	54.6744197	35.79	54.67464837	36.6
41	54.69108873	35.79	54.69131747	36.63
42	54.70775776	35.79	54.70798657	36.63
43	54.7244268	35.79	54.72465567	36.66
44	54.74109583	35.79	54.74132477	36.66
45	54.75776486	35.79	54.75799387	36.63
46	54.77443389	35.79	54.77466297	36.66
47	54.79110292	35.79	54.79133207	36.63
48	54.80777195	35.79	54.80800117	36.66
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2	54.82444098	35.79	54.82467027	36.66
3	54.84111001	35.79	54.84133937	36.6
4	54.85777904	35.79	54.85800847	36.63
5	54.87444807	35.79	54.87467757	36.63
6				
7	54.8911171	35.79	54.89134667	36.66
8	54.90778613	35.79	54.90801577	36.72
9	54.92445516	35.79	54.92468487	36.69
10	54.94112419	35.79	54.94135397	36.63
11	54.95779322	35.79	54.95802307	36.6
12	54.97446225	35.79	54.97469217	36.6
13				
14	54.99113128	35.79	54.99136127	36.6
15	55.00780031	35.79	55.00803037	36.72
16	55.02446934	35.79	55.02469947	36.63
17	55.04113837	35.79	55.04136857	36.6
18				
19	55.0578074	35.79	55.05803767	36.6
20	55.07447643	35.79	55.07470677	36.72
21	55.09114546	35.79	55.09137587	36.69
22				
23	55.10781449	35.79	55.10804497	36.6
24	55.12448352	35.79	55.12471407	36.6
25	55.14115256	35.79	55.14138317	36.66
26	55.15782159	35.79	55.15805227	36.69
27	55.17449062	35.79	55.17472137	36.6
28	55.19115965	35.79	55.19139047	36.66
29				
30	55.20782868	35.79	55.20805957	36.63
31	55.22449771	35.79	55.22472867	36.6
32	55.24116674	35.79	55.24139777	36.6
33	55.25783577	35.79	55.25806687	36.6
34				
35	55.2745048	35.79	55.27473597	36.69
36	55.29117383	35.79	55.29140507	36.63
37	55.30784286	35.79	55.30807417	36.57
38	55.32451189	35.79	55.32474327	36.6
39	55.34118092	35.79	55.34141237	36.6
40				
41	55.35784995	35.79	55.35808147	36.63
42	55.37451898	35.79	55.37475057	36.72
43	55.39118801	35.79	55.39141967	36.6
44	55.40785704	35.79	55.40808877	36.6
45	55.42452607	35.79	55.42475787	36.63
46				
47	55.4411951	35.79	55.44142697	36.69
48	55.45786413	35.79	55.45809607	36.63
49	55.47453316	35.79	55.47476517	36.66
50	55.49120219	35.79	55.49143427	36.6
51	55.50787122	35.79	55.50810337	36.66
52	55.52454025	35.79	55.52477247	36.66
53				
54	55.54120928	35.79	55.54144157	36.66
55	55.55787832	35.79	55.55811067	36.66
56	55.57454735	35.79	55.57477977	36.69
57				
58	55.59121638	35.79	55.59144887	36.63
59				
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2	55.60788541	35.79	55.60811797	36.6
3	55.62455444	35.79	55.62478707	36.6
4	55.64122347	35.79	55.64145617	36.66
5	55.6578925	35.79	55.65812527	36.69
6				
7	55.67456153	35.79	55.67479437	36.63
8	55.69123056	35.8	55.69146347	36.6
9	55.70789959	35.8	55.70813257	36.63
10	55.72456862	35.79	55.72480167	36.63
11	55.74123765	35.79	55.74147077	36.6
12	55.75790668	35.8	55.75813987	36.66
13				
14	55.77457571	35.8	55.77480897	36.63
15	55.79124474	35.79	55.79147807	36.63
16	55.80791377	35.79	55.80814717	36.57
17	55.8245828	35.79	55.82481627	36.6
18				
19	55.84125183	35.8	55.84148537	36.63
20	55.85792086	35.79	55.85815448	36.72
21	55.87458989	35.79	55.87482358	36.66
22	55.89125892	35.8	55.89149268	36.63
23				
24	55.90792795	35.8	55.90816178	36.6
25	55.92459698	35.79	55.92483088	36.6
26	55.94126601	35.79	55.94149998	36.57
27	55.95793504	35.79	55.95816908	36.66
28	55.97460408	35.8	55.97483818	36.69
29	55.99127311	35.8	55.99150728	36.63
30				
31	56.00794214	35.8	56.00817638	36.63
32	56.02461117	35.79	56.02484548	36.63
33	56.0412802	35.79	56.04151458	36.69
34	56.05794923	35.79	56.05818368	36.69
35				
36	56.07461826	35.79	56.07485278	36.66
37	56.09128729	35.79	56.09152188	36.6
38	56.10795632	35.79	56.10819098	36.63
39	56.12462535	35.79	56.12486008	36.63
40				
41	56.14129438	35.79	56.14152918	36.66
42	56.15796341	35.79	56.15819828	36.6
43	56.17463244	35.79	56.17486738	36.69
44	56.19130147	35.79	56.19153648	36.66
45	56.2079705	35.8	56.20820558	36.63
46	56.22463953	35.8	56.22487468	36.63
47	56.24130856	35.8	56.24154378	36.6
48	56.25797759	35.8	56.25821288	36.63
49	56.27464662	35.79	56.27488198	36.72
50	56.29131565	35.79	56.29155108	36.63
51				
52	56.30798468	35.79	56.30822018	36.6
53	56.32465371	35.79	56.32488928	36.6
54				
55	56.34132274 NaN		56.34155838	36.63
56	56.35799177	35.8	56.35822748	36.69
57	56.3746608	35.79	56.37489658	36.66
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2	56.39132984	35.8	56.39156568	36.69
3	56.40799887	35.79	56.40823478	36.66
4	56.4246679	35.79	56.42490388	36.63
5	56.44133693	35.79	56.44157298	36.6
6	56.45800596	35.79	56.45824208	36.63
7	56.47467499	35.79	56.47491118	36.66
8	56.49134402	35.8	56.49158028	36.66
9	56.50801305	35.8	56.50824938	36.6
10	56.52468208	35.8	56.52491848	36.66
11	56.54135111	35.8	56.54158758	36.63
12	56.55802014	35.8	56.55825668	36.6
13	56.57468917	35.8	56.57492578	36.69
14	56.5913582	35.8	56.59159488	36.72
15	56.60802723	35.8	56.60826398	36.66
16	56.62469626	35.8	56.62493308	36.6
17	56.64136529	35.8	56.64160218	36.63
18	56.65803432	35.8	56.65827128	36.63
19	56.67470335	35.8	56.67494038	36.6
20	56.69137238	35.8	56.69160948	36.6
21	56.70804141	35.8	56.70827858	36.72
22	56.72471044	35.8	56.72494768	36.72
23	56.74137947	35.8	56.74161678	36.6
24	56.7580485	35.8	56.75828588	36.6
25	56.77471753	35.8	56.77495498	36.63
26	56.79138656	35.8	56.79162408	36.69
27	56.80805559	35.8	56.80829318	36.63
28	56.82472463	35.8	56.82496228	36.66
29	56.84139366	35.8	56.84163138	36.6
30	56.85806269	35.8	56.85830048	36.6
31	56.87473172	35.8	56.87496958	36.66
32	56.89140075	35.8	56.89163868	36.63
33	56.90806978	35.8	56.90830778	36.66
34	56.92473881	35.8	56.92497688	36.6
35	56.94140784	35.8	56.94164598	36.66
36	56.95807687	35.8	56.95831508	36.63
37	56.9747459	35.8	56.97498418	36.63
38	56.99141493	35.8	56.99165328	36.63
39	57.00808396	35.8	57.00832238	36.6
40	57.02475299	35.8	57.02499148	36.66
41	57.04142202	35.8	57.04166058	36.63
42	57.05809105	35.8	57.05832968	36.69
43	57.07476008	35.8	57.07499878	36.63
44	57.09142911	35.8	57.09166788	36.6
45	57.10809814	35.8	57.10833698	36.6
46	57.12476717	35.8	57.12500608	36.63
47	57.1414362	35.8	57.14167518	36.69
48	57.15810523	35.8	57.15834428	36.63
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2	57.17477426	35.8	57.17501338	36.66
3	57.19144329	35.8	57.19168248	36.6
4	57.20811232	35.8	57.20835158	36.66
5	57.22478135	35.8	57.22502068	36.63
6	57.24145039	35.8	57.24168978	36.63
7	57.25811942	35.8	57.25835888	36.66
8	57.27478845	35.8	57.27502798	36.66
9	57.29145748	35.8	57.29169708	36.87
10	57.30812651	35.8	57.30836618	36.63
11	57.32479554	35.8	57.32503528	36.63
12	57.34146457	35.8	57.34170439	36.63
13	57.3581336	35.8	57.35837349	36.66
14	57.37480263	35.8	57.37504259	36.69
15	57.39147166	35.8	57.39171169	36.6
16	57.40814069	35.8	57.40838079	36.69
17	57.42480972	35.8	57.42504989	36.72
18	57.44147875	35.8	57.44171899	36.66
19	57.45814778	35.8	57.45838809	36.63
20	57.47481681	35.8	57.47505719	36.6
21	57.49148584	35.8	57.49172629	36.63
22	57.50815487	35.8	57.50839539	36.66
23	57.5248239	35.8	57.52506449	36.72
24	57.54149293	35.8	57.54173359	36.72
25	57.55816196	35.8	57.55840269	36.63
26	57.57483099	35.8	57.57507179	36.6
27	57.59150002	35.8	57.59174089	36.63
28	57.60816905	35.8	57.60840999	36.66
29	57.62483808	35.8	57.62507909	36.72
30	57.64150711	35.8	57.64174819	36.66
31	57.65817615	35.8	57.65841729	36.69
32	57.67484518	35.8	57.67508639	36.63
33	57.69151421	35.8	57.69175549	36.63
34	57.70818324	35.8	57.70842459	36.63
35	57.72485227	35.8	57.72509369	36.66
36	57.7415213	35.8	57.74176279	36.69
37	57.75819033	35.8	57.75843189	36.66
38	57.77485936	35.8	57.77510099	36.69
39	57.79152839	35.8	57.79177009	36.63
40	57.80819742	35.8	57.80843919	36.6
41	57.82486645	35.8	57.82510829	36.63
42	57.84153548	35.8	57.84177739	36.66
43	57.85820451	35.8	57.85844649	36.69
44	57.87487354	35.8	57.87511559	36.66
45	57.89154257	35.8	57.89178469	36.6
46	57.9082116	35.8	57.90845379	36.84
47	57.92488063	35.8	57.92512289	36.69
48	57.94154966	35.8	57.94179199	36.63

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2	57.95821869	35.8	57.95846109	36.55
3	57.97488772	35.8	57.97513019	36.66
4	57.99155675	35.8	57.99179929	36.66
5	58.00822578	35.8	58.00846839	36.6
6	58.02489481	35.8	58.02513749	36.66
7	58.04156384	35.8	58.04180659	36.75
8	58.05823287	35.8	58.05847569	36.63
9	58.07490191	35.8	58.07514479	36.6
10	58.09157094	35.8	58.09181389	36.63
11	58.10823997	35.8	58.10848299	36.66
12	58.124909	35.8	58.12515209	36.72
13	58.14157803	35.8	58.14182119	36.6
14	58.15824706	35.8	58.15849029	36.66
15	58.17491609	35.8	58.17515939	36.69
16	58.19158512	35.8	58.19182849	36.66
17	58.20825415	35.8	58.20849759	36.66
18	58.22492318	35.8	58.22516669	36.63
19	58.24159221	35.8	58.24183579	36.6
20	58.25826124	35.8	58.25850489	36.66
21	58.27493027	35.8	58.27517399	36.63
22	58.2915993	35.8	58.29184309	36.72
23	58.30826833	35.8	58.30851219	36.72
24	58.32493736	35.8	58.32518129	36.63
25	58.34160639	35.8	58.34185039	36.6
26	58.35827542	35.8	58.35851949	36.6
27	58.37494445	35.8	58.37518859	36.63
28	58.39161348	35.8	58.39185769	36.69
29	58.40828251	35.8	58.40852679	36.66
30	58.42495154	35.8	58.42519589	36.69
31	58.44162057	35.8	58.44186499	36.66
32	58.4582896	35.8	58.45853409	36.6
33	58.47495863	35.8	58.47520319	36.66
34	58.49162767	35.8	58.49187229	36.63
35	58.5082967	35.8	58.50854139	36.6
36	58.52496573	35.8	58.52521049	36.66
37	58.54163476	35.8	58.54187959	36.63
38	58.55830379	35.8	58.55854869	36.72
39	58.57497282	35.8	58.57521779	36.72
40	58.59164185	35.8	58.59188689	36.6
41	58.60831088	35.8	58.60855599	36.6
42	58.62497991	35.8	58.62522509	36.63
43	58.64164894	35.8	58.64189419	36.66
44	58.65831797	35.8	58.65856329	36.69
45	58.674987	35.8	58.67523239	36.6
46	58.69165603	35.8	58.69190149	36.66
47	58.70832506	35.8	58.70857059	36.72
48	58.72499409	35.8	58.72523969	36.63
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2	58.74166312	35.8	58.74190879	36.6
3	58.75833215	35.8	58.75857789	36.63
4	58.77500118	35.8	58.77524699	36.66
5	58.79167021	35.8	58.79191609	36.66
6	58.80833924	35.8	58.80858519	36.6
7	58.82500827	35.8	58.8252543	36.69
8	58.8416773	35.8	58.8419234	36.69
9	58.85834633	35.8	58.8585925	36.6
10	58.87501536	35.8	58.8752616	36.63
11	58.89168439	35.8	58.8919307	36.63
12	58.90835343	35.8	58.9085998	36.6
13	58.92502246	35.8	58.9252689	36.6
14	58.94169149	35.8	58.941938	36.69
15	58.95836052	35.8	58.9586071	36.63
16	58.97502955	35.8	58.9752762	36.66
17	58.99169858	35.8	58.9919453	36.69
18	59.00836761	35.8	59.0086144	36.63
19	59.02503664	35.8	59.0252835	36.63
20	59.04170567	35.8	59.0419526	36.63
21	59.0583747	35.8	59.0586217	36.6
22	59.07504373	35.8	59.0752908	36.63
23	59.09171276	35.8	59.0919599	36.63
24	59.10838179	35.8	59.108629	36.69
25	59.12505082	35.8	59.1252981	36.72
26	59.14171985	35.8	59.1419672	36.63
27	59.15838888	35.8	59.1586363	36.6
28	59.17505791	35.8	59.1753054	36.6
29	59.19172694	35.8	59.1919745	36.6
30	59.20839597	35.8	59.2086436	36.63
31	59.225065	35.8	59.2253127	36.69
32	59.24173403	35.8	59.2419818	36.6
33	59.25840306	35.8	59.2586509	36.66
34	59.27507209	35.8	59.27532	36.69
35	59.29174112	35.8	59.2919891	36.63
36	59.30841015	35.8	59.3086582	36.63
37	59.32507918	35.8	59.3253273	36.6
38	59.34174822	35.8	59.3419964	36.6
39	59.35841725	35.8	59.3586655	36.6
40	59.37508628	35.8	59.3753346	36.69
41	59.39175531	35.8	59.3920037	36.63
42	59.40842434	35.8	59.4086728	36.66
43	59.42509337	35.8	59.4253419	36.69
44	59.4417624	35.8	59.442011	36.6
45	59.45843143	35.81	59.4586801	36.63
46	59.47510046	35.81	59.4753492	36.63
47	59.49176949	35.81	59.4920183	36.6
48	59.50843852	35.81	59.5086874	36.57
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1				
2	59.52510755	35.81	59.5253565	36.55
3	59.54177658	35.81	59.5420256	36.66
4	59.55844561	35.81	59.5586947	36.55
5	59.57511464	35.81	59.5753638	36.72
6				
7	59.59178367	35.81	59.5920329	36.6
8	59.6084527	35.81	59.608702	36.6
9	59.62512173	35.81	59.6253711	36.6
10	59.64179076	35.81	59.6420402	36.63
11	59.65845979	35.81	59.6587093	36.63
12	59.67512882	35.81	59.6753784	36.69
13				
14	59.69179785	35.81	59.6920475	36.6
15	59.70846688	35.81	59.7087166	36.69
16	59.72513591	35.81	59.7253857	36.66
17	59.74180494	35.81	59.7420548	36.63
18	59.75847398	35.81	59.7587239	36.63
19				
20	59.77514301	35.81	59.775393	36.63
21	59.79181204	35.81	59.7920621	36.6
22	59.80848107	35.81	59.8087312	36.6
23				
24	59.8251501	35.81	59.8254003	36.63
25	59.84181913	35.81	59.8420694	36.6
26	59.85848816	35.81	59.8587385	36.69
27	59.87515719	35.81	59.8754076	36.69
28	59.89182622	35.81	59.8920767	36.6
29				
30	59.90849525	35.81	59.9087458	36.57
31	59.92516428	35.81	59.9254149	36.6
32	59.94183331	35.81	59.942084	36.63
33	59.95850234	35.81	59.9587531	36.63
34	59.97517137	35.81	59.9754222	36.66
35				
36	59.9918404	35.81	59.9920913	36.6
37	60.00850943	35.81	60.0087604	36.69
38	60.02517846	35.81	60.0254295	36.69
39	60.04184749	35.81	60.0420986	36.6
40				
41	60.05851652	35.81	60.0587677	36.6
42	60.07518555	35.81	60.0754368	36.63
43	60.09185458	35.81	60.0921059	36.6
44	60.10852361	35.81	60.108775	36.57
45	60.12519264	35.81	60.1254441	36.66
46	60.14186167	35.81	60.1421132	36.63
47				
48	60.1585307	35.81	60.1587823	36.66
49	60.17519974	35.81	60.1754514	36.66
50	60.19186877	35.81	60.1921205	36.6
51	60.2085378	35.81	60.2087896	36.63
52				
53	60.22520683	35.81	60.2254587	36.6
54	60.24187586	35.81	60.2421278	36.57
55	60.25854489	35.81	60.2587969	36.6
56	60.27521392	35.82	60.275466	36.63
57				
58	60.29188295	35.82	60.2921351	36.66
59				
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2	60.30855198	35.82	60.3088042	36.57
3	60.32522101	35.82	60.32547331	36.66
4	60.34189004	35.82	60.34214241	36.69
5	60.35855907	35.82	60.35881151	36.6
6				
7	60.3752281	35.82	60.37548061	36.6
8	60.39189713	35.82	60.39214971	36.63
9	60.40856616	35.82	60.40881881	36.63
10	60.42523519	35.82	60.42548791	36.6
11	60.44190422	35.82	60.44215701	36.63
12	60.45857325	35.82	60.45882611	36.6
13				
14	60.47524228	35.82	60.47549521	36.69
15	60.49191131	35.82	60.49216431	36.6
16	60.50858034	35.82	60.50883341	36.6
17	60.52524937	35.82	60.52550251	36.63
18				
19	60.5419184	35.82	60.54217161	36.63
20	60.55858743	35.82	60.55884071	36.6
21	60.57525646	35.82	60.57550981	36.57
22	60.5919255	35.82	60.59217891	36.66
23				
24	60.60859453	35.82	60.60884801	36.63
25	60.62526356	35.82	60.62551711	36.69
26	60.64193259	35.82	60.64218621	36.66
27	60.65860162	35.82	60.65885531	36.57
28	60.67527065	35.82	60.67552441	36.6
29				
30	60.69193968	35.82	60.69219351	36.63
31	60.70860871	35.82	60.70886261	36.63
32	60.72527774	35.82	60.72553171	36.6
33	60.74194677	35.82	60.74220081	36.63
34				
35	60.7586158	35.82	60.75886991	36.55
36	60.77528483	35.82	60.77553901	36.72
37	60.79195386	35.82	60.79220811	36.6
38	60.80862289	35.82	60.80887721	36.69
39	60.82529192	35.82	60.82554631	36.6
40				
41	60.84196095	35.82	60.84221541	36.63
42	60.85862998	35.82	60.85888451	36.6
43	60.87529901	35.82	60.87555361	36.6
44	60.89196804	35.82	60.89222271	36.6
45	60.90863707	35.82	60.90889181	36.69
46				
47	60.9253061	35.82	60.92556091	36.63
48	60.94197513	35.82	60.94223001	36.69
49	60.95864416	35.82	60.95889911	36.66
50	60.97531319	35.82	60.97556821	36.6
51	60.99198222	35.82	60.99223731	36.6
52				
53	61.00865126	35.82	61.00890641	36.63
54	61.02532029	35.82	61.02557551	36.63
55	61.04198932	35.82	61.04224461	36.63
56	61.05865835	35.82	61.05891371	36.6
57				
58	61.07532738	35.82	61.07558281	36.63
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2	61.09199641	35.82	61.09225191	36.57
3	61.10866544	35.82	61.10892101	36.66
4	61.12533447	35.82	61.12559011	36.66
5	61.1420035	35.82	61.14225921	36.6
6	61.15867253	35.82	61.15892831	36.6
7	61.17534156	35.82	61.17559741	36.6
8	61.19201059	35.82	61.19226651	36.6
9	61.20867962	35.82	61.20893561	36.6
10	61.22534865	35.82	61.22560471	36.6
11	61.24201768	35.82	61.24227381	36.66
12	61.25868671	35.82	61.25894291	36.6
13	61.27535574	35.82	61.27561201	36.66
14	61.29202477	35.82	61.29228111	36.66
15	61.3086938	35.82	61.30895021	36.6
16	61.32536283	35.82	61.32561931	36.63
17	61.34203186	35.82	61.34228841	36.63
18	61.35870089	35.82	61.35895751	36.63
19	61.37536992	35.82	61.37562661	36.6
20	61.39203895	35.82	61.39229571	36.6
21	61.40870798	35.82	61.40896481	36.66
22	61.42537702	35.82	61.42563391	36.63
23	61.44204605	35.82	61.44230301	36.69
24	61.45871508	35.82	61.45897211	36.66
25	61.47538411	35.82	61.47564121	36.6
26	61.49205314	35.82	61.49231031	36.63
27	61.50872217	35.82	61.50897941	36.63
28	61.5253912	35.82	61.52564851	36.6
29	61.54206023	35.82	61.54231761	36.63
30	61.55872926	35.82	61.55898671	36.66
31	61.57539829	35.82	61.57565581	36.66
32	61.59206732	35.82	61.59232491	36.6
33	61.60873635	35.82	61.60899401	36.69
34	61.62540538	35.82	61.62566311	36.84
35	61.64207441	35.82	61.64233221	36.69
36	61.65874344	35.82	61.65900131	36.6
37	61.67541247	35.82	61.67567041	36.63
38	61.6920815	35.82	61.69233951	36.66
39	61.70875053	35.82	61.70900861	36.63
40	61.72541956	35.82	61.72567771	36.63
41	61.74208859	35.82	61.74234681	36.69
42	61.75875762	35.82	61.75901591	36.66
43	61.77542665	35.82	61.77568501	36.6
44	61.79209568	35.82	61.79235411	36.69
45	61.80876471	35.82	61.80902322	36.72
46	61.82543374	35.82	61.82569232	36.63
47	61.84210278	35.82	61.84236142	36.63
48	61.85877181	35.82	61.85903052	36.63
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3	61.89210987	35.81	61.89236872	36.63
4	61.9087789	35.82	61.90903782	36.63
5	61.92544793	35.81	61.92570692	36.66
6	61.94211696	35.81	61.94237602	36.6
7	61.95878599	35.81	61.95904512	36.66
8	61.97545502	35.81	61.97571422	36.69
9	61.99212405	35.81	61.99238332	36.55
10	62.00879308	35.81	62.00905242	36.6
11	62.02546211	35.82	62.02572152	36.63
12	62.04213114	35.81	62.04239062	36.63
13	62.05880017	35.81	62.05905972	36.66
14	62.0754692	35.81	62.07572882	36.63
15	62.09213823	35.81	62.09239792	36.57
16	62.10880726	35.81	62.10906702	36.66
17	62.12547629	35.81	62.12573612	36.6
18	62.14214532	35.81	62.14240522	36.69
19	62.15881435	35.81	62.15907432	36.69
20	62.17548338	35.81	62.17574342	36.6
21	62.19215241	35.81	62.19241252	36.6
22	62.20882144	35.81	62.20908162	36.6
23	62.22549047	35.81	62.22575072	36.6
24	62.2421595	35.81	62.24241982	36.63
25	62.25882853	35.81	62.25908892	36.63
26	62.27549757	35.81	62.27575802	36.66
27	62.2921666	35.82	62.29242712	36.6
28	62.30883563	35.81	62.30909622	36.6
29	62.32550466	35.81	62.32576532	36.69
30	62.34217369 NaN		62.34243442	36.72
31	62.35884272	35.81	62.35910352	36.63
32	62.37551175	35.81	62.37577262	36.6
33	62.39218078	35.81	62.39244172	36.6
34	62.40884981	35.81	62.40911082	36.6
35	62.42551884	35.81	62.42577992	36.63
36	62.44218787	35.81	62.44244902	36.63
37	62.4588569	35.81	62.45911812	36.63
38	62.47552593	35.82	62.47578722	36.6
39	62.49219496	35.81	62.49245632	36.63
40	62.50886399	35.81	62.50912542	36.69
41	62.52553302	35.81	62.52579452	36.66
42	62.54220205	35.81	62.54246362	36.6
43	62.55887108	35.81	62.55913272	36.63
44	62.57554011	35.81	62.57580182	36.63
45	62.59220914	35.81	62.59247092	36.6
46	62.60887817	35.81	62.60914002	36.6
47	62.6255472	35.81	62.62580912	36.63
48	62.64221623	35.81	62.64247822	36.69
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2	62.65888526	35.81	62.65914732	36.57
3	62.67555429	35.81	62.67581642	36.6
4	62.69222333	35.82	62.69248552	36.69
5	62.70889236	35.82	62.70915462	36.69
6	62.72556139	35.81	62.72582372	36.6
7	62.74223042	35.82	62.74249282	36.63
8	62.75889945	35.82	62.75916192	36.63
9	62.77556848	35.82	62.77583102	36.6
10	62.79223751	35.82	62.79250012	36.6
11	62.80890654	35.81	62.80916922	36.63
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13	62.8422446	35.82	62.84250742	36.63
14	62.85891363	35.82	62.85917652	36.6
15	62.87558266	35.82	62.87584562	36.69
16	62.89225169	35.82	62.89251472	36.69
17	62.90892072	35.82	62.90918382	36.69
18	62.92558975	35.81	62.92585292	36.6
19	62.94225878	35.81	62.94252202	36.63
20	62.95892781	35.81	62.95919112	36.63
21	62.97559684	35.81	62.97586022	36.63
22	62.99226587	35.81	62.99252932	36.6
23	63.0089349	35.81	63.00919842	36.6
24	63.02560393	35.81	63.02586752	36.66
25	63.04227296	35.81	63.04253662	36.63
26	63.05894199	35.81	63.05920572	36.72
27	63.07561102	35.81	63.07587482	36.66
28	63.09228005	35.81	63.09254392	36.66
29	63.10894909	35.81	63.10921302	36.6
30	63.12561812	35.81	63.12588212	36.63
31	63.14228715	35.81	63.14255122	36.63
32	63.15895618	35.81	63.15922032	36.6
33	63.17562521	35.81	63.17588942	36.6
34	63.19229424	35.81	63.19255852	36.6
35	63.20896327	35.81	63.20922762	36.66
36	63.2256323	35.81	63.22589672	36.69
37	63.24230133	35.81	63.24256582	36.63
38	63.25897036	35.81	63.25923492	36.66
39	63.27563939	35.81	63.27590402	36.57
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41	63.30897745	35.81	63.30924223	36.63
42	63.32564648	35.81	63.32591133	36.63
43	63.34231551	35.8	63.34258043	36.6
44	63.35898454	35.81	63.35924953	36.6
45	63.37565357	35.81	63.37591863	36.63
46	63.3923226	35.81	63.39258773	36.66
47	63.40899163	35.81	63.40925683	36.66
48	63.42566066	35.81	63.42592593	36.55
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3	63.45899872	35.81	63.45926413	36.69
4	63.47566775	35.81	63.47593323	36.66
5	63.49233678	35.81	63.49260233	36.63
6	63.50900581	35.8	63.50927143	36.63
7	63.52567485	35.8	63.52594053	36.6
8	63.54234388	35.81	63.54260963	36.63
9	63.55901291	35.81	63.55927873	36.63
10	63.57568194	35.8	63.57594783	36.6
11	63.59235097	35.8	63.59261693	36.63
12	63.60902	35.8	63.60928603	36.69
13	63.62568903	35.8	63.62595513	36.6
14	63.64235806	35.8	63.64262423	36.6
15	63.65902709	35.8	63.65929333	36.69
16	63.67569612	35.8	63.67596243	36.69
17	63.69236515	35.8	63.69263153	36.6
18	63.70903418	35.8	63.70930063	36.6
19	63.72570321	35.8	63.72596973	36.63
20	63.74237224	35.8	63.74263883	36.63
21	63.75904127	35.81	63.75930793	36.57
22	63.7757103	35.81	63.77597703	36.6
23	63.79237933	35.81	63.79264613	36.63
24	63.80904836	35.81	63.80931523	36.69
25	63.82571739	35.81	63.82598433	36.63
26	63.84238642	35.81	63.84265343	36.6
27	63.85905545	35.81	63.85932253	36.66
28	63.87572448	35.81	63.87599163	36.69
29	63.89239351	35.81	63.89266073	36.55
30	63.90906254	35.81	63.90932983	36.6
31	63.92573157	35.81	63.92599893	36.63
32	63.94240061	35.81	63.94266803	36.63
33	63.95906964	35.81	63.95933713	36.6
34	63.97573867	35.81	63.97600623	36.6
35	63.9924077	35.81	63.99267533	36.63
36	64.00907673	35.81	64.00934443	36.75
37	64.02574576	35.81	64.02601353	36.63
38	64.04241479	35.81	64.04268263	36.6
39	64.05908382	35.81	64.05935173	36.69
40	64.07575285	35.81	64.07602083	36.66
41	64.09242188	35.81	64.09268993	36.69
42	64.10909091	35.8	64.10935903	36.6
43	64.12575994	35.8	64.12602813	36.6
44	64.14242897	35.8	64.14269723	36.63
45	64.159098	35.81	64.15936633	36.63
46	64.17576703	35.81	64.17603543	36.6
47	64.19243606	35.81	64.19270453	36.6
48	64.20910509	35.8	64.20937363	36.63
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2	64.22577412	35.8	64.22604273	36.69
3	64.24244315	35.81	64.24271183	36.63
4	64.25911218	35.8	64.25938093	36.6
5	64.27578121	35.8	64.27605003	36.66
6	64.29245024	35.8	64.29271913	36.69
7	64.30911927	35.8	64.30938823	36.66
8	64.3257883	35.8	64.32605733	36.6
9				
10	64.34245733	35.8	64.34272643	36.57
11	64.35912637	35.8	64.35939553	36.63
12	64.3757954	35.8	64.37606463	36.63
13				
14	64.39246443	35.8	64.39273373	36.6
15	64.40913346	35.8	64.40940283	36.6
16	64.42580249	35.8	64.42607193	36.75
17	64.44247152	35.8	64.44274103	36.69
18	64.45914055	35.8	64.45941013	36.6
19	64.47580958	35.8	64.47607923	36.66
20	64.49247861	35.8	64.49274833	36.69
21	64.50914764	35.8	64.50941743	36.69
22	64.52581667	35.8	64.52608653	36.57
23	64.5424857	35.8	64.54275563	36.6
24	64.55915473	35.8	64.55942473	36.63
25	64.57582376	35.8	64.57609383	36.6
26	64.59249279	35.8	64.59276293	36.57
27	64.60916182	35.8	64.60943203	36.6
28	64.62583085	35.8	64.62610113	36.63
29	64.64249988	35.8	64.64277023	36.63
30	64.65916891	35.8	64.65943933	36.69
31	64.67583794	35.8	64.67610843	36.63
32	64.69250697	35.8	64.69277753	36.6
33	64.709176	35.8	64.70944663	36.66
34	64.72584503	35.81	64.72611573	36.66
35	64.74251406	35.81	64.74278483	36.66
36	64.75918309	35.8	64.75945393	36.6
37	64.77585212	35.8	64.77612303	36.63
38	64.79252116	35.8	64.79279214	36.63
39	64.80919019	35.8	64.80946124	36.63
40	64.82585922	35.8	64.82613034	36.6
41	64.84252825	35.8	64.84279944	36.63
42	64.85919728	35.8	64.85946854	36.6
43	64.87586631	35.8	64.87613764	36.69
44	64.89253534	35.8	64.89280674	36.72
45	64.90920437	35.8	64.90947584	36.6
46	64.9258734	35.8	64.92614494	36.57
47	64.94254243	35.8	64.94281404	36.57
48	64.95921146	35.79	64.95948314	36.6
49	64.97588049	35.79	64.97615224	36.63
50	64.99254952	35.79	64.99282134	36.63
51				
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2	65.00921855	35.79	65.00949044	36.6
3	65.02588758	35.79	65.02615954	36.63
4	65.04255661	35.79	65.04282864	36.6
5	65.05922564	35.79	65.05949774	36.63
6	65.07589467	35.79	65.07616684	36.69
7	65.0925637	35.79	65.09283594	36.63
8	65.10923273	35.79	65.10950504	36.57
9	65.12590176	35.79	65.12617414	36.63
10	65.14257079	35.79	65.14284324	36.63
11	65.15923982	35.78	65.15951234	36.6
12	65.17590885	35.78	65.17618144	36.63
13	65.19257788	35.78	65.19285054	36.63
14	65.20924692	35.78	65.20951964	36.63
15	65.22591595	35.78	65.22618874	36.66
16	65.24258498	35.78	65.24285784	36.66
17	65.25925401	35.78	65.25952694	36.63
18	65.27592304	35.78	65.27619604	36.63
19	65.29259207	35.78	65.29286514	36.6
20	65.3092611	35.78	65.30953424	36.57
21	65.32593013	35.78	65.32620334	36.63
22	65.34259916	35.78	65.34287244	36.63
23	65.35926819	35.78	65.35954154	36.6
24	65.37593722	35.78	65.37621064	36.63
25	65.39260625	35.78	65.39287974	36.66
26	65.40927528	35.78	65.40954884	36.63
27	65.42594431	35.78	65.42621794	36.66
28	65.44261334	35.78	65.44288704	36.69
29	65.45928237	35.77	65.45955614	36.69
30	65.4759514	35.77	65.47622524	36.63
31	65.49262043	35.78	65.49289434	36.63
32	65.50928946	35.78	65.50956344	36.6
33	65.52595849	35.78	65.52623254	36.6
34	65.54262752	35.78	65.54290164	36.57
35	65.55929655	35.78	65.55957074	36.6
36	65.57596558	35.78	65.57623984	36.63
37	65.59263461	35.78	65.59290894	36.69
38	65.60930364	35.78	65.60957804	36.69
39	65.62597268	35.78	65.62624714	36.6
40	65.64264171	35.78	65.64291624	36.66
41	65.65931074	35.78	65.65958534	36.6
42	65.67597977	35.78	65.67625444	36.57
43	65.6926488	35.78	65.69292354	36.6
44	65.70931783	35.78	65.70959264	36.63
45	65.72598686	35.78	65.72626174	36.63
46	65.74265589	35.78	65.74293084	36.63
47	65.75932492	35.78	65.75959994	36.57
48	65.77599395	35.78	65.77626904	36.57
49				
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2	65.79266298	35.78	65.79293814	36.63
3	65.80933201	35.78	65.80960724	36.63
4	65.82600104	35.78	65.82627634	36.63
5	65.84267007	35.78	65.84294544	36.57
6				
7	65.8593391	35.78	65.85961454	36.6
8	65.87600813	35.78	65.87628364	36.63
9	65.89267716	35.78	65.89295274	36.6
10	65.90934619	35.78	65.90962184	36.6
11	65.92601522	35.78	65.92629094	36.6
12	65.94268425	35.78	65.94296004	36.63
13				
14	65.95935328	35.78	65.95962914	36.66
15	65.97602231	35.78	65.97629824	36.66
16	65.99269134	35.78	65.99296734	36.6
17	66.00936037	35.78	66.00963644	36.63
18	66.0260294	35.77	66.02630554	36.63
19				
20	66.04269844	35.77	66.04297464	36.63
21	66.05936747	35.77	66.05964374	36.63
22	66.0760365	35.77	66.07631284	36.66
23				
24	66.09270553	35.77	66.09298194	36.63
25	66.10937456	35.77	66.10965104	36.63
26	66.12604359	35.77	66.12632014	36.6
27	66.14271262	35.77	66.14298924	36.57
28	66.15938165	35.77	66.15965834	36.6
29				
30	66.17605068	35.77	66.17632744	36.69
31	66.19271971	35.76	66.19299654	36.69
32	66.20938874	35.76	66.20966564	36.6
33	66.22605777	35.76	66.22633474	36.6
34	66.2427268	35.76	66.24300384	36.6
35				
36	66.25939583	35.76	66.25967294	36.63
37	66.27606486	35.76	66.27634205	36.6
38	66.29273389	35.76	66.29301115	36.63
39	66.30940292	35.76	66.30968025	36.6
40				
41	66.32607195	35.76	66.32634935	36.66
42	66.34274098	35.76	66.34301845	36.63
43	66.35941001	35.76	66.35968755	36.57
44	66.37607904	35.76	66.37635665	36.57
45	66.39274807	35.76	66.39302575	36.63
46				
47	66.4094171	35.75	66.40969485	36.66
48	66.42608613	35.75	66.42636395	36.57
49	66.44275516	35.75	66.44303305	36.6
50	66.4594242	35.75	66.45970215	36.69
51	66.47609323	35.75	66.47637125	36.63
52	66.49276226	35.75	66.49304035	36.57
53				
54	66.50943129	35.75	66.50970945	36.63
55	66.52610032	35.75	66.52637855	36.6
56	66.54276935	35.75	66.54304765	36.57
57	66.55943838	35.75	66.55971675	36.63
58				
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2	66.57610741	35.75	66.57638585	36.63
3	66.59277644	35.75	66.59305495	36.63
4	66.60944547	35.75	66.60972405	36.6
5	66.6261145	35.75	66.62639315	36.66
6				
7	66.64278353	35.75	66.64306225	36.57
8	66.65945256	35.75	66.65973135	36.6
9	66.67612159	35.75	66.67640045	36.6
10	66.69279062	35.75	66.69306955	36.63
11	66.70945965	35.75	66.70973865	36.66
12	66.72612868	35.75	66.72640775	36.63
13				
14	66.74279771	35.75	66.74307685	36.6
15	66.75946674	35.75	66.75974595	36.57
16	66.77613577	35.75	66.77641505	36.63
17	66.7928048	35.75	66.79308415	36.63
18				
19	66.80947383	35.75	66.80975325	36.63
20	66.82614286	35.75	66.82642235	36.57
21	66.84281189	35.75	66.84309145	36.6
22	66.85948092	35.75	66.85976055	36.6
23	66.87614996	35.75	66.87642965	36.63
24	66.89281899	35.75	66.89309875	36.6
25	66.90948802	35.75	66.90976785	36.6
26	66.92615705	35.75	66.92643695	36.6
27	66.94282608	35.75	66.94310605	36.63
28	66.95949511	35.75	66.95977515	36.6
29	66.97616414	35.75	66.97644425	36.6
30	66.99283317	35.75	66.99311335	36.6
31	67.0095022	35.75	67.00978245	36.6
32	67.02617123	35.75	67.02645155	36.6
33	67.04284026	35.75	67.04312065	36.6
34	67.05950929	35.75	67.05978975	36.63
35	67.07617832	35.75	67.07645885	36.6
36	67.09284735	35.76	67.09312795	36.57
37	67.10951638	35.76	67.10979705	36.6
38	67.12618541	35.76	67.12646615	36.63
39	67.14285444	35.75	67.14313525	36.57
40	67.15952347	35.75	67.15980435	36.63
41	67.1761925	35.75	67.17647345	36.6
42	67.19286153	35.75	67.19314255	36.63
43	67.20953056	35.75	67.20981165	36.63
44	67.22619959	35.75	67.22648075	36.63
45	67.24286862	35.75	67.24314985	36.6
46	67.25953765	35.75	67.25981895	36.63
47	67.27620668	35.75	67.27648805	36.63
48	67.29287572	35.75	67.29315715	36.6
49	67.30954475	35.75	67.30982625	36.6
50	67.32621378	35.75	67.32649535	36.63
51	67.34288281	35.75	67.34316445	36.57
52				
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2	67.35955184	35.75	67.35983355	36.6
3	67.37622087	35.75	67.37650265	36.6
4	67.3928899	35.75	67.39317175	36.6
5	67.40955893	35.75	67.40984085	36.57
6	67.42622796	35.75	67.42650995	36.57
7	67.44289699	35.75	67.44317905	36.6
8	67.45956602	35.75	67.45984815	36.66
9	67.47623505	35.75	67.47651725	36.66
10	67.49290408	35.75	67.49318635	36.57
11	67.50957311	35.75	67.50985545	36.57
12	67.52624214	35.75	67.52652455	36.66
13	67.54291117	35.75	67.54319365	36.6
14	67.5595802	35.75	67.55986275	36.57
15	67.57624923	35.75	67.57653185	36.57
16	67.59291826	35.75	67.59320095	36.57
17	67.60958729	35.75	67.60987005	36.6
18	67.62625632	35.75	67.62653915	36.6
19	67.64292535	35.75	67.64320825	36.69
20	67.65959438	35.75	67.65987735	36.69
21	67.67626341	35.75	67.67654645	36.6
22	67.69293244	35.75	67.69321555	36.6
23	67.70960147	35.75	67.70988465	36.66
24	67.72627051	35.75	67.72655375	36.6
25	67.74293954	35.74	67.74322285	36.57
26	67.75960857	35.74	67.75989196	36.57
27	67.7762776	35.74	67.77656106	36.6
28	67.79294663	35.75	67.79323016	36.6
29	67.80961566	35.75	67.80989926	36.6
30	67.82628469	35.74	67.82656836	36.63
31	67.84295372	35.75	67.84323746	36.63
32	67.85962275	35.74	67.85990656	36.6
33	67.87629178	35.75	67.87657566	36.6
34	67.89296081	35.74	67.89324476	36.6
35	67.90962984	35.75	67.90991386	36.6
36	67.92629887	35.75	67.92658296	36.57
37	67.9429679	35.75	67.94325206	36.63
38	67.95963693	35.74	67.95992116	36.66
39	67.97630596	35.74	67.97659026	36.57
40	67.99297499	35.74	67.99325936	36.57
41	68.00964402	35.74	68.00992846	36.63
42	68.02631305	35.74	68.02659756	36.66
43	68.04298208	35.74	68.04326666	36.6
44	68.05965111	35.74	68.05993576	36.57
45	68.07632014	35.74	68.07660486	36.57
46	68.09298917	35.74	68.09327396	36.57
47	68.1096582	35.74	68.10994306	36.6
48	68.12632723	35.74	68.12661216	36.66
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2	68.14299627	35.74	68.14328126	36.6
3	68.1596653	35.74	68.15995036	36.57
4	68.17633433	35.74	68.17661946	36.6
5	68.19300336	35.74	68.19328856	36.57
6	68.20967239	35.74	68.20995766	36.49
7	68.22634142	35.74	68.22662676	36.6
8	68.24301045	35.74	68.24329586	36.6
9	68.25967948	35.74	68.25996496	36.63
10	68.27634851	35.74	68.27663406	36.57
11	68.29301754	35.74	68.29330316	36.6
12	68.30968657	35.74	68.30997226	36.57
13	68.3263556	35.74	68.32664136	36.63
14	68.34302463 NaN		68.34331046	36.6
15	68.35969366	35.74	68.35997956	36.75
16	68.37636269	35.74	68.37664866	36.63
17	68.39303172	35.74	68.39331776	36.55
18	68.40970075	35.74	68.40998686	36.57
19	68.42636978	35.74	68.42665596	36.6
20	68.44303881	35.74	68.44332506	36.63
21	68.45970784	35.74	68.45999416	36.6
22	68.47637687	35.74	68.47666326	36.57
23	68.4930459	35.74	68.49333236	36.63
24	68.50971493	35.74	68.51000146	36.55
25	68.52638396	35.74	68.52667056	36.57
26	68.54305299	35.74	68.54333966	36.6
27	68.55972203	35.74	68.56000876	36.63
28	68.57639106	35.74	68.57667786	36.57
29	68.59306009	35.74	68.59334696	36.6
30	68.60972912	35.74	68.61001606	36.66
31	68.62639815	35.74	68.62668516	36.6
32	68.64306718	35.74	68.64335426	36.57
33	68.65973621	35.74	68.66002336	36.57
34	68.67640524	35.74	68.67669246	36.63
35	68.69307427	35.74	68.69336156	36.6
36	68.7097433	35.74	68.71003066	36.57
37	68.72641233	35.74	68.72669976	36.63
38	68.74308136	35.74	68.74336886	36.57
39	68.75975039	35.74	68.76003796	36.6
40	68.77641942	35.74	68.77670706	36.6
41	68.79308845	35.74	68.79337616	36.6
42	68.80975748	35.74	68.81004526	36.57
43	68.82642651	35.74	68.82671436	36.57
44	68.84309554	35.74	68.84338346	36.66
45	68.85976457	35.74	68.86005256	36.6
46	68.8764336	35.74	68.87672166	36.57
47	68.89310263	35.74	68.89339076	36.57
48	68.90977166	35.73	68.91005986	36.6

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2	68.92644069	35.74	68.92672896	36.57
3	68.94310972	35.74	68.94339806	36.69
4	68.95977875	35.73	68.96006716	36.66
5	68.97644779	35.73	68.97673626	36.6
6	68.99311682	35.73	68.99340536	36.57
7				
8	69.00978585 NaN		69.01007446	36.57
9	69.02645488	35.73	69.02674356	36.6
10	69.04312391	35.73	69.04341266	36.6
11	69.05979294	35.73	69.06008176	36.66
12	69.07646197	35.73	69.07675086	36.63
13				
14	69.093131	35.73	69.09341996	36.57
15	69.10980003	35.73	69.11008906	36.6
16	69.12646906	35.73	69.12675816	36.6
17	69.14313809	35.73	69.14342726	36.57
18	69.15980712	35.73	69.16009636	36.57
19				
20	69.17647615	35.73	69.17676546	36.66
21	69.19314518	35.73	69.19343456	36.63
22	69.20981421	35.73	69.21010366	36.55
23	69.22648324	35.73	69.22677276	36.6
24	69.24315227	35.73	69.24344186	36.6
25				
26	69.2598213	35.73	69.26011097	36.57
27	69.27649033	35.73	69.27678007	36.6
28	69.29315936	35.73	69.29344917	36.55
29				
30	69.30982839	35.73	69.31011827	36.63
31	69.32649742	35.73	69.32678737	36.6
32	69.34316645	35.73	69.34345647	36.55
33	69.35983548	35.73	69.36012557	36.66
34	69.37650451	35.72	69.37679467	36.57
35	69.39317355	35.72	69.39346377	36.57
36				
37	69.40984258	35.72	69.41013287	36.6
38	69.42651161	35.72	69.42680197	36.55
39	69.44318064	35.72	69.44347107	36.57
40	69.45984967	35.72	69.46014017	36.63
41	69.4765187	35.72	69.47680927	36.66
42	69.49318773	35.72	69.49347837	36.57
43	69.50985676	35.72	69.51014747	36.57
44				
45	69.52652579	35.72	69.52681657	36.6
46	69.54319482	35.72	69.54348567	36.6
47	69.55986385	35.72	69.56015477	36.57
48	69.57653288	35.72	69.57682387	36.63
49	69.59320191	35.72	69.59349297	36.63
50				
51	69.60987094	35.72	69.61016207	36.6
52	69.62653997	35.72	69.62683117	36.6
53				
54	69.643209	35.72	69.64350027	36.66
55	69.65987803	35.72	69.66016937	36.57
56	69.67654706	35.72	69.67683847	36.57
57	69.69321609	35.72	69.69350757	36.57
58				
59				
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2	69.70988512	35.72	69.71017667	36.55
3	69.72655415	35.72	69.72684577	36.6
4	69.74322318	35.72	69.74351487	36.66
5	69.75989221	35.72	69.76018397	36.69
6	69.77656124	35.72	69.77685307	36.57
7	69.79323027	35.72	69.79352217	36.57
8	69.80989931	35.72	69.81019127	36.57
9	69.82656834	35.72	69.82686037	36.6
10	69.84323737	35.72	69.84352947	36.63
11	69.8599064	35.72	69.86019857	36.72
12	69.87657543	35.72	69.87686767	36.6
13	69.89324446	35.72	69.89353677	36.57
14	69.90991349	35.72	69.91020587	36.69
15	69.92658252	35.72	69.92687497	36.69
16	69.94325155	35.72	69.94354407	36.6
17	69.95992058	35.72	69.96021317	36.6
18	69.97658961	35.72	69.97688227	36.57
19	69.99325864	35.72	69.99355137	36.57
20	70.00992767	35.72	70.01022047	36.6
21	70.0265967	35.72	70.02688957	36.69
22	70.04326573	35.72	70.04355867	36.63
23	70.05993476	35.72	70.06022777	36.57
24	70.07660379	35.72	70.07689687	36.63
25	70.09327282	35.72	70.09356597	36.69
26	70.10994185	35.72	70.11023507	36.6
27	70.12661088	35.72	70.12690417	36.57
28	70.14327991	35.72	70.14357327	36.6
29	70.15994894	35.72	70.16024237	36.63
30	70.17661797	35.72	70.17691147	36.6
31	70.193287	35.72	70.19358057	36.6
32	70.20995603	35.72	70.21024967	36.63
33	70.22662507	35.72	70.22691877	36.6
34	70.2432941	35.72	70.24358787	36.63
35	70.25996313	35.72	70.26025697	36.69
36	70.27663216	35.71	70.27692607	36.6
37	70.29330119	35.71	70.29359517	36.6
38	70.30997022	35.71	70.31026427	36.66
39	70.32663925	35.71	70.32693337	36.57
40	70.34330828	35.71	70.34360247	36.57
41	70.35997731	35.71	70.36027157	36.6
42	70.37664634	35.71	70.37694067	36.66
43	70.39331537	35.71	70.39360977	36.6
44	70.4099844	35.71	70.41027887	36.63
45	70.42665343	35.71	70.42694797	36.6
46	70.44332246	35.71	70.44361707	36.63
47	70.45999149	35.71	70.46028617	36.6
48	70.47666052	35.71	70.47695527	36.66
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2	70.49332955	35.71	70.49362437	36.57
3	70.50999858	35.71	70.51029347	36.6
4	70.52666761	35.71	70.52696257	36.6
5	70.54333664	35.71	70.54363167	36.63
6	70.56000567	35.71	70.56030077	36.57
7	70.5766747	35.71	70.57696987	36.63
8	70.59334373	35.71	70.59363897	36.6
9	70.61001276	35.71	70.61030807	36.63
10	70.62668179	35.71	70.62697717	36.63
11	70.64335082	35.71	70.64364627	36.63
12	70.66001986	35.71	70.66031537	36.57
13	70.67668889	35.71	70.67698447	36.6
14	70.69335792	35.71	70.69365357	36.63
15	70.71002695	35.71	70.71032267	36.6
16	70.72669598	35.71	70.72699177	36.57
17	70.74336501	35.71	70.74366088	36.57
18	70.76003404	35.71	70.76032998	36.66
19	70.77670307	35.71	70.77699908	36.63
20	70.7933721	35.71	70.79366818	36.63
21	70.81004113	35.71	70.81033728	36.63
22	70.82671016	35.71	70.82700638	36.57
23	70.84337919	35.71	70.84367548	36.63
24	70.86004822	35.71	70.86034458	36.66
25	70.87671725	35.71	70.87701368	36.6
26	70.89338628	35.71	70.89368278	36.57
27	70.91005531	35.71	70.91035188	36.6
28	70.92672434	35.71	70.92702098	36.6
29	70.94339337	35.71	70.94369008	36.57
30	70.9600624	35.71	70.96035918	36.55
31	70.97673143	35.71	70.97702828	36.66
32	70.99340046	35.71	70.99369738	36.6
33	71.01006949	35.71	71.01036648	36.63
34	71.02673852	35.71	71.02703558	36.63
35	71.04340755	35.71	71.04370468	36.63
36	71.06007658	35.71	71.06037378	36.6
37	71.07674562	35.71	71.07704288	36.63
38	71.09341465	35.71	71.09371198	36.6
39	71.11008368	35.71	71.11038108	36.6
40	71.12675271	35.71	71.12705018	36.57
41	71.14342174	35.71	71.14371928	36.6
42	71.16009077	35.71	71.16038838	36.6
43	71.1767598	35.71	71.17705748	36.6
44	71.19342883	35.71	71.19372658	36.63
45	71.21009786	35.71	71.21039568	36.63
46	71.22676689	35.72	71.22706478	36.66
47	71.24343592	35.72	71.24373388	36.6
48	71.26010495	35.72	71.26040298	36.57
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2	71.27677398	35.72	71.27707208	36.6
3	71.29344301	35.72	71.29374118	36.66
4	71.31011204	35.72	71.31041028	36.63
5	71.32678107	35.72	71.32707938	36.6
6				
7	71.3434501	35.72	71.34374848	36.57
8	71.36011913	35.72	71.36041758	36.57
9	71.37678816	35.72	71.37708668	36.57
10	71.39345719	35.72	71.39375578	36.6
11	71.41012622	35.72	71.41042488	36.66
12	71.42679525	35.72	71.42709398	36.63
13				
14	71.44346428	35.72	71.44376308	36.66
15	71.46013331	35.72	71.46043218	36.6
16	71.47680234	35.72	71.47710128	36.57
17	71.49347138	35.72	71.49377038	36.6
18				
19	71.51014041	35.72	71.51043948	36.69
20	71.52680944	35.72	71.52710858	36.6
21	71.54347847	35.72	71.54377768	36.57
22				
23	71.5601475	35.73	71.56044678	36.6
24	71.57681653	35.73	71.57711588	36.63
25	71.59348556	35.73	71.59378498	36.6
26	71.61015459	35.73	71.61045408	36.57
27	71.62682362	35.73	71.62712318	36.6
28	71.64349265	35.73	71.64379228	36.63
29				
30	71.66016168	35.73	71.66046138	36.66
31	71.67683071	35.73	71.67713048	36.6
32	71.69349974	35.73	71.69379958	36.57
33	71.71016877	35.73	71.71046868	36.6
34				
35	71.7268378	35.73	71.72713778	36.69
36	71.74350683	35.73	71.74380688	36.6
37	71.76017586	35.73	71.76047598	36.57
38	71.77684489	35.73	71.77714508	36.57
39	71.79351392	35.73	71.79381418	36.6
40				
41	71.81018295	35.73	71.81048328	36.63
42	71.82685198	35.73	71.82715238	36.6
43	71.84352101	35.73	71.84382148	36.57
44	71.86019004	35.73	71.86049058	36.57
45	71.87685907	35.73	71.87715968	36.63
46				
47	71.8935281	35.73	71.89382878	36.63
48	71.91019714	35.74	71.91049788	36.63
49	71.92686617	35.74	71.92716698	36.72
50	71.9435352	35.74	71.94383608	36.66
51	71.96020423	35.74	71.96050518	36.57
52	71.97687326	35.74	71.97717428	36.57
53				
54	71.99354229	35.74	71.99384338	36.66
55	72.01021132	35.74	72.01051248	36.6
56	72.02688035	35.74	72.02718158	36.6
57				
58	72.04354938	35.74	72.04385068	36.6
59				
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2	72.06021841	35.74	72.06051978	36.57
3	72.07688744	35.74	72.07718888	36.57
4	72.09355647	35.74	72.09385798	36.63
5	72.1102255	35.74	72.11052708	36.63
6				
7	72.12689453	35.74	72.12719618	36.57
8	72.14356356	35.74	72.14386528	36.63
9	72.16023259	35.74	72.16053438	36.6
10	72.17690162	35.74	72.17720348	36.6
11	72.19357065	35.74	72.19387258	36.6
12	72.21023968	35.74	72.21054168	36.69
13				
14	72.22690871	35.74	72.22721079	36.6
15	72.24357774	35.74	72.24387989	36.57
16	72.26024677	35.74	72.26054899	36.6
17	72.2769158	35.74	72.27721809	36.57
18				
19	72.29358483	35.74	72.29388719	36.6
20	72.31025386	35.74	72.31055629	36.6
21	72.3269229	35.74	72.32722539	36.63
22	72.34359193	35.74	72.34389449	36.6
23				
24	72.36026096	35.74	72.36056359	36.63
25	72.37692999	35.74	72.37723269	36.6
26	72.39359902	35.74	72.39390179	36.57
27	72.41026805	35.74	72.41057089	36.63
28	72.42693708	35.74	72.42723999	36.63
29				
30	72.44360611	35.74	72.44390909	36.6
31	72.46027514	35.74	72.46057819	36.57
32	72.47694417	35.74	72.47724729	36.63
33	72.4936132	35.74	72.49391639	36.6
34	72.51028223	35.74	72.51058549	36.6
35				
36	72.52695126	35.74	72.52725459	36.72
37	72.54362029	35.74	72.54392369	36.57
38	72.56028932	35.74	72.56059279	36.6
39	72.57695835	35.74	72.57726189	36.6
40				
41	72.59362738	35.74	72.59393099	36.57
42	72.61029641	35.74	72.61060009	36.57
43	72.62696544	35.74	72.62726919	36.63
44	72.64363447	35.74	72.64393829	36.63
45	72.6603035	35.74	72.66060739	36.57
46	72.67697253	35.74	72.67727649	36.63
47				
48	72.69364156	35.74	72.69394559	36.63
49	72.71031059	35.74	72.71061469	36.6
50	72.72697962	35.74	72.72728379	36.57
51	72.74364866	35.74	72.74395289	36.63
52				
53	72.76031769	35.74	72.76062199	36.57
54	72.77698672	35.74	72.77729109	36.57
55	72.79365575	35.74	72.79396019	36.66
56	72.81032478	35.74	72.81062929	36.6
57				
58	72.82699381	35.74	72.82729839	36.6
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2	72.84366284	35.74	72.84396749	36.57
3	72.86033187	35.74	72.86063659	36.57
4	72.8770009	35.74	72.87730569	36.57
5	72.89366993	35.74	72.89397479	36.57
6	72.91033896	35.74	72.91064389	36.57
7	72.92700799	35.74	72.92731299	36.6
8	72.94367702	35.74	72.94398209	36.6
9	72.96034605	35.74	72.96065119	36.55
10	72.97701508	35.74	72.97732029	36.57
11	72.99368411	35.74	72.99398939	36.63
12	73.01035314	35.74	73.01065849	36.6
13	73.02702217	35.74	73.02732759	36.57
14	73.0436912	35.74	73.04399669	36.63
15	73.06036023	35.74	73.06066579	36.6
16	73.07702926	35.74	73.07733489	36.57
17	73.09369829	35.74	73.09400399	36.57
18	73.11036732	35.74	73.11067309	36.63
19	73.12703635	35.73	73.12734219	36.57
20	73.14370538	35.74	73.14401129	36.6
21	73.16037441	35.74	73.16068039	36.66
22	73.17704345	35.74	73.17734949	36.6
23	73.19371248	35.74	73.19401859	36.6
24	73.21038151	35.74	73.21068769	36.55
25	73.22705054	35.73	73.22735679	36.57
26	73.24371957	35.73	73.24402589	36.57
27	73.2603886	35.73	73.26069499	36.57
28	73.27705763	35.73	73.27736409	36.57
29	73.29372666	35.73	73.29403319	36.57
30	73.31039569	35.73	73.31070229	36.57
31	73.32706472	35.73	73.32737139	36.6
32	73.34373375	35.73	73.34404049	36.6
33	73.36040278	35.73	73.36070959	36.66
34	73.37707181	35.73	73.37737869	36.63
35	73.39374084	35.73	73.39404779	36.57
36	73.41040987	35.73	73.41071689	36.6
37	73.4270789	35.73	73.42738599	36.6
38	73.44374793	35.73	73.44405509	36.57
39	73.46041696	35.73	73.46072419	36.63
40	73.47708599	35.73	73.47739329	36.63
41	73.49375502	35.73	73.49406239	36.6
42	73.51042405	35.73	73.51073149	36.57
43	73.52709308	35.73	73.52740059	36.66
44	73.54376211	35.73	73.54406969	36.6
45	73.56043114	35.73	73.56073879	36.6
46	73.57710017	35.73	73.57740789	36.66
47	73.59376921	35.73	73.59407699	36.57
48	73.61043824	35.73	73.61074609	36.57
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2	73.62710727	35.73	73.62741519	36.69
3	73.6437763	35.73	73.64408429	36.57
4	73.66044533	35.73	73.66075339	36.57
5	73.67711436	35.73	73.67742249	36.57
6	73.69378339	35.73	73.69409159	36.6
7	73.71045242	35.73	73.71076069	36.63
8	73.72712145	35.73	73.7274298	36.6
9	73.74379048	35.73	73.7440989	36.57
10	73.76045951	35.73	73.760768	36.57
11	73.77712854	35.73	73.7774371	36.6
12	73.79379757	35.73	73.7941062	36.57
13	73.8104666	35.72	73.8107753	36.6
14	73.82713563	35.72	73.8274444	36.63
15	73.84380466	35.73	73.8441135	36.6
16	73.86047369	35.72	73.8607826	36.57
17	73.87714272	35.72	73.8774517	36.66
18	73.89381175	35.73	73.8941208	36.63
19	73.91048078	35.72	73.9107899	36.57
20	73.92714981	35.72	73.927459	36.6
21	73.94381884	35.72	73.9441281	36.6
22	73.96048787	35.72	73.9607972	36.57
23	73.9771569	35.73	73.9774663	36.55
24	73.99382593	35.72	73.9941354	36.69
25	74.01049497	35.72	74.0108045	36.6
26	74.027164	35.72	74.0274736	36.57
27	74.04383303	35.72	74.0441427	36.63
28	74.06050206	35.72	74.0608118	36.57
29	74.07717109	35.72	74.0774809	36.55
30	74.09384012	35.72	74.09415	36.63
31	74.11050915	35.72	74.1108191	36.57
32	74.12717818	35.72	74.1274882	36.57
33	74.14384721	35.72	74.1441573	36.63
34	74.16051624	35.72	74.1608264	36.6
35	74.17718527	35.72	74.1774955	36.6
36	74.1938543	35.72	74.1941646	36.6
37	74.21052333	35.72	74.2108337	36.6
38	74.22719236	35.72	74.2275028	36.6
39	74.24386139	35.72	74.2441719	36.57
40	74.26053042	35.72	74.260841	36.57
41	74.27719945	35.72	74.2775101	36.57
42	74.29386848	35.72	74.2941792	36.57
43	74.31053751	35.72	74.3108483	36.6
44	74.32720654	35.72	74.3275174	36.6
45	74.34387557	35.72	74.3441865	36.6
46	74.3605446	35.72	74.3608556	36.55
47	74.37721363	35.72	74.3775247	36.57
48	74.39388266	35.72	74.3941938	36.63
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2	74.41055169	35.72	74.4108629	36.63
3	74.42722073	35.72	74.427532	36.57
4	74.44388976	35.72	74.4442011	36.6
5	74.46055879	35.72	74.4608702	36.6
6	74.47722782	35.72	74.4775393	36.6
7	74.49389685	35.72	74.4942084	36.63
8	74.51056588	35.71	74.5108775	36.6
9	74.52723491	35.71	74.5275466	36.55
10	74.54390394	35.71	74.5442157	36.66
11	74.56057297	35.71	74.5608848	36.66
12	74.577242	35.71	74.5775539	36.6
13	74.59391103	35.71	74.594223	36.55
14	74.61058006	35.71	74.6108921	36.6
15	74.62724909	35.71	74.6275612	36.6
16	74.64391812	35.71	74.6442303	36.6
17	74.66058715	35.71	74.6608994	36.63
18	74.67725618	35.71	74.6775685	36.55
19	74.69392521	35.71	74.6942376	36.57
20	74.71059424	35.71	74.7109067	36.66
21	74.72726327	35.71	74.7275758	36.6
22	74.7439323	35.71	74.7442449	36.6
23	74.76060133	35.71	74.760914	36.63
24	74.77727036	35.71	74.7775831	36.55
25	74.79393939	35.71	74.7942522	36.57
26	74.81060842	35.72	74.8109213	36.66
27	74.82727745	35.72	74.8275904	36.6
28	74.84394649	35.71	74.8442595	36.6
29	74.86061552	35.71	74.8609286	36.63
30	74.87728455	35.72	74.8775977	36.57
31	74.89395358	35.72	74.8942668	36.55
32	74.91062261	35.71	74.9109359	36.57
33	74.92729164	35.71	74.927605	36.57
34	74.94396067	35.72	74.9442741	36.6
35	74.9606297	35.72	74.9609432	36.6
36	74.97729873	35.72	74.9776123	36.57
37	74.99396776	35.72	74.9942814	36.6
38	75.01063679 NaN		75.0109505	36.57
39	75.02730582	35.72	75.0276196	36.57
40	75.04397485	35.71	75.0442887	36.55
41	75.06064388	35.71	75.0609578	36.57
42	75.07731291	35.71	75.0776269	36.57
43	75.09398194	35.71	75.094296	36.6
44	75.11065097	35.71	75.1109651	36.6
45	75.12732	35.71	75.1276342	36.57
46	75.14398903	35.71	75.1443033	36.55
47	75.16065806	35.71	75.1609724	36.57
48	75.17732709	35.71	75.1776415	36.6
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2	75.19399612	35.71	75.1943106	36.6
3	75.21066515	35.71	75.21097971	36.57
4	75.22733418	35.71	75.22764881	36.55
5	75.24400321	35.71	75.24431791	36.57
6	75.26067225	35.71	75.26098701	36.6
7	75.27734128	35.71	75.27765611	36.6
8	75.29401031	35.71	75.29432521	36.55
9	75.31067934	35.71	75.31099431	36.55
10	75.32734837	35.71	75.32766341	36.63
11	75.3440174	35.71	75.34433251	36.57
12	75.36068643	35.71	75.36100161	36.63
13	75.37735546	35.71	75.37767071	36.63
14	75.39402449	35.71	75.39433981	36.57
15	75.41069352	35.71	75.41100891	36.6
16	75.42736255	35.7	75.42767801	36.63
17	75.44403158	35.7	75.44434711	36.6
18	75.46070061	35.7	75.46101621	36.6
19	75.47736964	35.7	75.47768531	36.57
20	75.49403867	35.7	75.49435441	36.57
21	75.5107077	35.7	75.51102351	36.66
22	75.52737673	35.7	75.52769261	36.63
23	75.54404576	35.7	75.54436171	36.57
24	75.56071479	35.7	75.56103081	36.6
25	75.57738382	35.7	75.57769991	36.6
26	75.59405285	35.7	75.59436901	36.57
27	75.61072188	35.7	75.61103811	36.63
28	75.62739091	35.7	75.62770721	36.63
29	75.64405994	35.7	75.64437631	36.57
30	75.66072897	35.7	75.66104541	36.6
31	75.67739801	35.7	75.67771451	36.6
32	75.69406704	35.7	75.69438361	36.57
33	75.71073607	35.7	75.71105271	36.66
34	75.7274051	35.7	75.72772181	36.6
35	75.74407413	35.7	75.74439091	36.57
36	75.76074316	35.7	75.76106001	36.57
37	75.77741219	35.7	75.77772911	36.63
38	75.79408122	35.7	75.79439821	36.57
39	75.81075025	35.7	75.81106731	36.6
40	75.82741928	35.7	75.82773641	36.66
41	75.84408831	35.7	75.84440551	36.57
42	75.86075734	35.7	75.86107461	36.55
43	75.87742637	35.7	75.87774371	36.6
44	75.8940954	35.7	75.89441281	36.57
45	75.91076443	35.7	75.91108191	36.6
46	75.92743346	35.7	75.92775101	36.66
47	75.94410249	35.7	75.94442011	36.57
48	75.96077152	35.7	75.96108921	36.55

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2	75.97744055	35.7	75.97775831	36.6
3	75.99410958	35.7	75.99442741	36.57
4	76.01077861	35.7	76.01109651	36.57
5	76.02744764	35.7	76.02776561	36.66
6	76.04411667	35.7	76.04443471	36.6
7	76.0607857	35.7	76.06110381	36.57
8	76.07745473	35.7	76.07777291	36.63
9	76.09412376	35.7	76.09444201	36.55
10	76.1107928	35.69	76.11111111	36.55
11	76.12746183	35.69	76.12778021	36.6
12	76.14413086	35.69	76.14444931	36.57
13	76.16079989	35.69	76.16111841	36.6
14	76.17746892	35.69	76.17778751	36.66
15	76.19413795	35.69	76.19445661	36.57
16	76.21080698	35.69	76.21112571	36.55
17	76.22747601	35.69	76.22779481	36.6
18	76.24414504	35.69	76.24446391	36.55
19	76.26081407	35.69	76.26113301	36.57
20	76.2774831	35.69	76.27780211	36.66
21	76.29415213	35.69	76.29447121	36.6
22	76.31082116	35.69	76.31114031	36.57
23	76.32749019	35.69	76.32780941	36.63
24	76.34415922	35.69	76.34447851	36.55
25	76.36082825	35.69	76.36114761	36.55
26	76.37749728	35.69	76.37781671	36.55
27	76.39416631	35.69	76.39448581	36.57
28	76.41083534	35.69	76.41115491	36.6
29	76.42750437	35.69	76.42782401	36.57
30	76.4441734	35.69	76.44449311	36.55
31	76.46084243	35.69	76.46116221	36.55
32	76.47751146	35.69	76.47783131	36.55
33	76.49418049	35.69	76.49450041	36.55
34	76.51084952	35.69	76.51116951	36.57
35	76.52751856	35.69	76.52783861	36.6
36	76.54418759	35.69	76.54450771	36.6
37	76.56085662	35.69	76.56117681	36.55
38	76.57752565	35.68	76.57784591	36.55
39	76.59419468	35.68	76.59451501	36.57
40	76.61086371	35.68	76.61118411	36.57
41	76.62753274	35.68	76.62785321	36.55
42	76.64420177	35.69	76.64452231	36.55
43	76.6608708	35.68	76.66119141	36.55
44	76.67753983	35.68	76.67786051	36.63
45	76.69420886	35.68	76.69452962	36.57
46	76.71087789	35.68	76.71119872	36.55
47	76.72754692	35.69	76.72786782	36.6
48	76.74421595	35.69	76.74453692	36.57
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2	76.76088498	35.69	76.76120602	36.57
3	76.77755401	35.69	76.77787512	36.6
4	76.79422304	35.69	76.79454422	36.55
5	76.81089207	35.69	76.81121332	36.57
6				
7	76.8275611	35.69	76.82788242	36.66
8	76.84423013	35.68	76.84455152	36.57
9	76.86089916	35.69	76.86122062	36.55
10	76.87756819	35.69	76.87788972	36.6
11	76.89423722	35.69	76.89455882	36.55
12	76.91090625	35.69	76.91122792	36.57
13				
14	76.92757528	35.69	76.92789702	36.63
15	76.94424432	35.69	76.94456612	36.57
16	76.96091335	35.69	76.96123522	36.55
17	76.97758238	35.69	76.97790432	36.6
18	76.99425141	35.69	76.99457342	36.55
19				
20	77.01092044	35.69	77.01124252	36.55
21	77.02758947	35.69	77.02791162	36.6
22				
23	77.0442585	35.69	77.04458072	36.55
24	77.06092753	35.69	77.06124982	36.57
25	77.07759656	35.69	77.07791892	36.63
26	77.09426559	35.69	77.09458802	36.57
27	77.11093462	35.69	77.11125712	36.57
28	77.12760365	35.69	77.12792622	36.66
29	77.14427268	35.69	77.14459532	36.57
30				
31	77.16094171	35.69	77.16126442	36.55
32	77.17761074	35.69	77.17793352	36.6
33	77.19427977	35.69	77.19460262	36.55
34				
35	77.2109488	35.69	77.21127172	36.55
36	77.22761783	35.69	77.22794082	36.63
37	77.24428686	35.69	77.24460992	36.57
38	77.26095589	35.69	77.26127902	36.57
39	77.27762492	35.69	77.27794812	36.63
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41	77.29429395	35.69	77.29461722	36.55
42	77.31096298	35.69	77.31128632	36.55
43	77.32763201	35.69	77.32795542	36.6
44	77.34430104	35.68	77.34462452	36.55
45	77.36097008	35.68	77.36129362	36.57
46	77.37763911	35.68	77.37796272	36.63
47	77.39430814	35.68	77.39463182	36.57
48				
49	77.41097717	35.68	77.41130092	36.55
50	77.4276462	35.68	77.42797002	36.6
51	77.44431523	35.68	77.44463912	36.52
52	77.46098426	35.68	77.46130822	36.55
53				
54	77.47765329	35.68	77.47797732	36.6
55	77.49432232	35.68	77.49464642	36.57
56	77.51099135	35.68	77.51131552	36.57
57				
58	77.52766038	35.68	77.52798462	36.63

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2	77.54432941	35.68	77.54465372	36.57
3	77.56099844	35.68	77.56132282	36.55
4	77.57766747	35.68	77.57799192	36.6
5	77.5943365	35.68	77.59466102	36.55
6	77.61100553	35.68	77.61133012	36.55
7	77.62767456	35.68	77.62799922	36.6
8	77.64434359	35.68	77.64466832	36.55
9	77.66101262	35.68	77.66133742	36.55
10	77.67768165	35.67	77.67800652	36.6
11	77.69435068	35.67	77.69467562	36.57
12	77.71101971	35.67	77.71134472	36.57
13	77.72768874	35.67	77.72801382	36.63
14	77.74435777	35.67	77.74468292	36.55
15	77.7610268	35.67	77.76135202	36.55
16	77.77769584	35.67	77.77802112	36.6
17	77.79436487	35.67	77.79469022	36.57
18	77.8110339	35.67	77.81135932	36.55
19	77.82770293	35.67	77.82802842	36.57
20	77.84437196	35.67	77.84469752	36.55
21	77.86104099	35.67	77.86136662	36.57
22	77.87771002	35.67	77.87803572	36.6
23	77.89437905	35.67	77.89470482	36.52
24	77.91104808	35.67	77.91137392	36.55
25	77.92771711	35.67	77.92804302	36.63
26	77.94438614	35.67	77.94471212	36.57
27	77.96105517	35.67	77.96138122	36.55
28	77.9777242	35.67	77.97805032	36.49
29	77.99439323	35.67	77.99471942	36.52
30	78.01106226	35.67	78.01138852	36.55
31	78.02773129	35.67	78.02805762	36.63
32	78.04440032	35.67	78.04472672	36.55
33	78.06106935	35.67	78.06139582	36.57
34	78.07773838	35.67	78.07806492	36.57
35	78.09440741	35.67	78.09473402	36.52
36	78.11107644	35.67	78.11140312	36.57
37	78.12774547	35.67	78.12807222	36.57
38	78.1444145	35.67	78.14474132	36.55
39	78.16108353	35.67	78.16141042	36.63
40	78.17775256	35.67	78.17807952	36.6
41	78.1944216	35.67	78.19474863	36.55
42	78.21109063	35.67	78.21141773	36.57
43	78.22775966	35.67	78.22808683	36.55
44	78.24442869	35.67	78.24475593	36.52
45	78.26109772	35.67	78.26142503	36.57
46	78.27776675	35.67	78.27809413	36.57
47	78.29443578	35.67	78.29476323	36.57
48	78.31110481	35.67	78.31143233	36.6
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3	78.34444287	35.67	78.34477053	36.52
4	78.36111119	35.66	78.36143963	36.57
5	78.37778093	35.66	78.37810873	36.57
6	78.39444996	35.66	78.39477783	36.55
7	78.41111899	35.67	78.41144693	36.6
8	78.42778802	35.66	78.42811603	36.6
9	78.44445705	35.66	78.44478513	36.55
10	78.46112608	35.66	78.46145423	36.57
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12	78.49446414	35.66	78.49479243	36.55
13	78.51113317	35.66	78.51146153	36.63
14	78.5278022	35.66	78.52813063	36.57
15	78.54447123	35.66	78.54479973	36.52
16	78.56114026	35.66	78.56146883	36.6
17	78.57780929	35.66	78.57813793	36.6
18	78.59447832	35.66	78.59480703	36.52
19	78.61114735	35.66	78.61147613	36.43
20	78.62781639	35.66	78.62814523	36.49
21	78.64448542	35.66	78.64481433	36.57
22	78.66115445	35.66	78.66148343	36.49
23	78.67782348	35.66	78.67815253	36.55
24	78.69449251	35.66	78.69482163	36.52
25	78.71116154	35.66	78.71149073	36.55
26	78.72783057	35.66	78.72815983	36.57
27	78.7444996	35.66	78.74482893	36.57
28	78.76116863	35.66	78.76149803	36.55
29	78.77783766	35.66	78.77816713	36.52
30	78.79450669	35.66	78.79483623	36.55
31	78.81117572	35.66	78.81150533	36.57
32	78.82784475	35.66	78.82817443	36.52
33	78.84451378	35.66	78.84484353	36.52
34	78.86118281	35.66	78.86151263	36.57
35	78.87785184	35.66	78.87818173	36.55
36	78.89452087	35.66	78.89485083	36.55
37	78.9111899	35.66	78.91151993	36.57
38	78.92785893	35.66	78.92818903	36.52
39	78.94452796	35.66	78.94485813	36.55
40	78.96119699	35.66	78.96152723	36.55
41	78.97786602	35.66	78.97819633	36.52
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43	79.01120408	35.66	79.01153453	36.57
44	79.02787311	35.66	79.02820363	36.52
45	79.04454215	35.66	79.04487273	36.52
46	79.06121118	35.66	79.06154183	36.57
47	79.07788021	35.66	79.07821093	36.55
48	79.09454924	35.66	79.09488003	36.52
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3	79.1278873	35.66	79.12821823	36.55
4	79.14455633	35.66	79.14488733	36.55
5	79.16122536	35.66	79.16155643	36.57
6	79.17789439	35.66	79.17822553	36.57
7	79.19456342	35.66	79.19489463	36.55
8	79.21123245	35.66	79.21156373	36.55
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13	79.2945776	35.66	79.29490923	36.52
14	79.31124663	35.66	79.31157833	36.52
15	79.32791566	35.66	79.32824743	36.55
16	79.34458469	35.66	79.34491653	36.55
17	79.36125372	35.66	79.36158563	36.66
18	79.37792275	35.66	79.37825473	36.55
19	79.39459178	35.66	79.39492383	36.55
20	79.41126081	35.66	79.41159293	36.6
21	79.42792984	35.66	79.42826203	36.55
22	79.44459887	35.66	79.44493113	36.57
23	79.46126791	35.66	79.46160023	36.66
24	79.47793694	35.66	79.47826933	36.55
25	79.49460597	35.66	79.49493843	36.52
26	79.511275	35.66	79.51160753	36.55
27	79.52794403	35.66	79.52827663	36.57
28	79.54461306	35.66	79.54494573	36.57
29	79.56128209	35.66	79.56161483	36.57
30	79.57795112	35.66	79.57828393	36.52
31	79.59462015	35.66	79.59495303	36.52
32	79.61128918	35.66	79.61162213	36.6
33	79.62795821	35.66	79.62829123	36.57
34	79.64462724	35.66	79.64496033	36.57
35	79.66129627	35.66	79.66162943	36.6
36	79.6779653	35.66	79.67829854	36.55
37	79.69463433	35.66	79.69496764	36.55
38	79.71130336	35.66	79.71163674	36.6
39	79.72797239	35.66	79.72830584	36.52
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41	79.76131045	35.66	79.76164404	36.57
42	79.77797948	35.66	79.77831314	36.52
43	79.79464851	35.66	79.79498224	36.52
44	79.81131754	35.66	79.81165134	36.6
45	79.82798657	35.66	79.82832044	36.57
46	79.8446556	35.66	79.84498954	36.55
47	79.86132463	35.67	79.86165864	36.57
48	79.87799367	35.67	79.87832774	36.55
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3	79.91133173	35.66	79.91166594	36.57
4	79.92800076	35.66	79.92833504	36.55
5	79.94466979	35.66	79.94500414	36.55
6	79.96133882	35.66	79.96167324	36.57
7	79.97800785	35.66	79.97834234	36.55
8	79.99467688	35.66	79.99501144	36.55
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11	80.02801494	35.67	80.02834964	36.55
12	80.04468397	35.67	80.04501874	36.55
13				
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15	80.07802203	35.67	80.07835694	36.55
16	80.09469106	35.67	80.09502604	36.57
17	80.11136009	35.67	80.11169514	36.6
18	80.12802912	35.67	80.12836424	36.52
19	80.14469815	35.67	80.14503334	36.52
20	80.16136718	35.67	80.16170244	36.6
21	80.17803621	35.67	80.17837154	36.57
22	80.19470524	35.67	80.19504064	36.55
23	80.21137427	35.67	80.21170974	36.57
24				
25	80.2280433	35.67	80.22837884	36.52
26	80.24471233	35.67	80.24504794	36.52
27	80.26138136	35.67	80.26171704	36.57
28	80.27805039	35.67	80.27838614	36.52
29	80.29471943	35.67	80.29505524	36.52
30	80.31138846	35.67	80.31172434	36.6
31	80.32805749	35.67	80.32839344	36.55
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33	80.36139555	35.67	80.36173164	36.6
34	80.37806458	35.67	80.37840074	36.52
35	80.39473361	35.67	80.39506984	36.52
36	80.41140264	35.68	80.41173894	36.57
37	80.42807167	35.68	80.42840804	36.55
38	80.4447407	35.68	80.44507714	36.55
39	80.46140973	35.68	80.46174624	36.63
40	80.47807876	35.68	80.47841534	36.55
41	80.49474779	35.68	80.49508444	36.55
42	80.51141682	35.68	80.51175354	36.6
43	80.52808585	35.68	80.52842264	36.55
44	80.54475488	35.68	80.54509174	36.6
45	80.56142391	35.68	80.56176084	36.57
46	80.57809294	35.68	80.57842994	36.55
47	80.59476197	35.68	80.59509904	36.57
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49	80.611431	35.68	80.61176814	36.57
50	80.62810003	35.68	80.62843724	36.55
51	80.64476906	35.68	80.64510634	36.57
52	80.66143809	35.68	80.66177544	36.57
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3	80.69477615	35.68	80.69511364	36.6
4	80.71144519	35.68	80.71178274	36.6
5	80.72811422	35.68	80.72845184	36.57
6	80.74478325	35.68	80.74512094	36.6
7	80.76145228	35.68	80.76179004	36.57
8	80.77812131	35.68	80.77845914	36.55
9	80.79479034	35.68	80.79512824	36.57
10	80.81145937	35.68	80.81179734	36.55
11	80.8281284	35.68	80.82846644	36.52
12	80.84479743	35.69	80.84513554	36.57
13	80.86146646	35.69	80.86180464	36.57
14	80.87813549	35.69	80.87847374	36.55
15	80.89480452	35.68	80.89514284	36.6
16	80.91147355	35.68	80.91181194	36.57
17	80.92814258	35.68	80.92848104	36.52
18	80.94481161	35.68	80.94515014	36.57
19	80.96148064	35.68	80.96181924	36.55
20	80.97814967	35.68	80.97848834	36.55
21	80.9948187	35.68	80.99515744	36.63
22	81.01148773 NaN		81.01182654	36.49
23	81.02815676	35.68	81.02849564	36.55
24	81.04482579	35.68	81.04516474	36.49
25	81.06149482	35.68	81.06183384	36.52
26	81.07816385	35.68	81.07850294	36.52
27	81.09483288	35.68	81.09517204	36.52
28	81.11150191	35.68	81.11184114	36.52
29	81.12817095	35.68	81.12851024	36.52
30	81.14483998	35.68	81.14517934	36.52
31	81.16150901	35.68	81.16184845	36.55
32	81.17817804	35.68	81.17851755	36.55
33	81.19484707	35.68	81.19518665	36.55
34	81.2115161	35.68	81.21185575	36.55
35	81.22818513	35.68	81.22852485	36.57
36	81.24485416	35.68	81.24519395	36.55
37	81.26152319	35.68	81.26186305	36.55
38	81.27819222	35.68	81.27853215	36.52
39	81.29486125	35.68	81.29520125	36.55
40	81.31153028	35.68	81.31187035	36.52
41	81.32819931	35.68	81.32853945	36.52
42	81.34486834	35.68	81.34520855	36.6
43	81.36153737	35.68	81.36187765	36.55
44	81.3782064	35.68	81.37854675	36.55
45	81.39487543	35.68	81.39521585	36.57
46	81.41154446	35.68	81.41188495	36.52
47	81.42821349	35.69	81.42855405	36.55
48	81.44488252	35.69	81.44522315	36.6
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3	81.47822058	35.69	81.47856135	36.52
4	81.49488961	35.69	81.49523045	36.57
5	81.51155864	35.69	81.51189955	36.55
6	81.52822767	35.69	81.52856865	36.55
7				
8	81.5448967	35.68	81.54523775	36.6
9	81.56156574	35.68	81.56190685	36.52
10	81.57823477	35.68	81.57857595	36.52
11	81.5949038	35.68	81.59524505	36.57
12	81.61157283	35.68	81.61191415	36.55
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15	81.64491089	35.68	81.64525235	36.57
16	81.66157992	35.68	81.66192145	36.52
17	81.67824895	35.68	81.67859055	36.52
18	81.69491798	35.67	81.69525965	36.6
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21	81.72825604	35.68	81.72859785	36.52
22	81.74492507	35.68	81.74526695	36.57
23				
24	81.7615941	35.68	81.76193605	36.52
25	81.77826313	35.68	81.77860515	36.55
26	81.79493216	35.68	81.79527425	36.6
27	81.81160119	35.67	81.81194335	36.55
28	81.82827022	35.67	81.82861245	36.52
29				
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31	81.86160828	35.67	81.86195065	36.52
32	81.87827731	35.67	81.87861975	36.52
33	81.89494634	35.67	81.89528885	36.66
34	81.91161537	35.67	81.91195795	36.55
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37	81.94495343	35.67	81.94529615	36.52
38	81.96162246	35.67	81.96196525	36.49
39	81.9782915	35.67	81.97863435	36.55
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41	81.99496053	35.67	81.99530345	36.52
42	82.01162956	35.67	82.01197255	36.52
43	82.02829859	35.67	82.02864165	36.55
44	82.04496762	35.67	82.04531075	36.57
45	82.06163665	35.67	82.06197985	36.55
46	82.07830568	35.67	82.07864895	36.6
47	82.09497471	35.67	82.09531805	36.57
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50	82.12831277	35.67	82.12865625	36.57
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53	82.16165083	35.67	82.16199445	36.52
54	82.17831986	35.67	82.17866355	36.55
55	82.19498889	35.67	82.19533265	36.52
56	82.21165792	35.67	82.21200175	36.52
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58	82.22832695	35.67	82.22867085	36.55
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3	82.26166501	35.67	82.26200905	36.55
4	82.27833404	35.67	82.27867815	36.57
5	82.29500307	35.67	82.29534725	36.55
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8	82.32834113	35.67	82.32868545	36.57
9	82.34501016	35.67	82.34535455	36.57
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11	82.37834822	35.67	82.37869275	36.55
12	82.39501726	35.67	82.39536185	36.52
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15	82.42835532	35.67	82.42870005	36.6
16	82.44502435	35.67	82.44536915	36.57
17	82.46169338	35.67	82.46203825	36.52
18	82.47836241	35.67	82.47870735	36.55
19				
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21	82.51170047	35.67	82.51204555	36.55
22	82.5283695	35.67	82.52871465	36.6
23				
24	82.54503853	35.67	82.54538375	36.55
25	82.56170756	35.67	82.56205285	36.52
26	82.57837659	35.67	82.57872195	36.55
27	82.59504562	35.67	82.59539105	36.55
28	82.61171465	35.67	82.61206015	36.55
29				
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31	82.64505271	35.67	82.64539835	36.57
32	82.66172174	35.67	82.66206746	36.52
33	82.67839077	35.67	82.67873656	36.49
34	82.6950598	35.67	82.69540566	36.49
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37	82.72839786	35.67	82.72874386	36.55
38	82.74506689	35.67	82.74541296	36.55
39	82.76173592	35.68	82.76208206	36.52
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41	82.77840495	35.68	82.77875116	36.52
42	82.79507398	35.68	82.79542026	36.49
43	82.81174302	35.68	82.81208936	36.49
44	82.82841205	35.68	82.82875846	36.52
45	82.84508108	35.67	82.84542756	36.55
46	82.86175011	35.67	82.86209666	36.55
47	82.87841914	35.67	82.87876576	36.52
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50	82.9117572	35.67	82.91210396	36.49
51	82.92842623	35.67	82.92877306	36.52
52	82.94509526	35.67	82.94544216	36.52
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54	82.96176429	35.67	82.96211126	36.55
55	82.97843332	35.67	82.97878036	36.55
56	82.99510235	35.67	82.99544946	36.52
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58	83.01177138	35.67	83.01211856	36.52
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3	83.04510944	35.67	83.04545676	36.49
4	83.06177847	35.67	83.06212586	36.49
5	83.0784475	35.67	83.07879496	36.52
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7	83.09511653	35.67	83.09546406	36.52
8	83.11178556	35.67	83.11213316	36.55
9	83.12845459	35.67	83.12880226	36.63
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11	83.16179265	35.67	83.16214046	36.49
12	83.17846168	35.67	83.17880956	36.57
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14	83.19513071	35.67	83.19547866	36.55
15	83.21179974	35.67	83.21214776	36.52
16	83.22846878	35.67	83.22881686	36.57
17	83.24513781	35.67	83.24548596	36.49
18	83.26180684	35.67	83.26215506	36.49
19				
20	83.27847587	35.67	83.27882416	36.57
21	83.2951449	35.67	83.29549326	36.52
22				
23	83.31181393	35.67	83.31216236	36.55
24	83.32848296	35.67	83.32883146	36.52
25	83.34515199	35.67	83.34550056	36.49
26	83.36182102	35.67	83.36216966	36.49
27	83.37849005	35.67	83.37883876	36.52
28	83.39515908	35.67	83.39550786	36.52
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30	83.41182811	35.67	83.41217696	36.52
31	83.42849714	35.67	83.42884606	36.55
32	83.44516617	35.67	83.44551516	36.34
33	83.4618352	35.67	83.46218426	36.49
34	83.47850423	35.67	83.47885336	36.46
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36	83.49517326	35.68	83.49552246	36.55
37	83.51184229	35.68	83.51219156	36.49
38	83.52851132	35.68	83.52886066	36.52
39	83.54518035	35.68	83.54552976	36.52
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41	83.56184938	35.68	83.56219886	36.57
42	83.57851841	35.68	83.57886796	36.52
43	83.59518744	35.68	83.59553706	36.49
44	83.61185647	35.68	83.61220616	36.49
45	83.6285255	35.68	83.62887526	36.46
46	83.64519454	35.68	83.64554436	36.49
47				
48	83.66186357	35.68	83.66221346	36.4
49	83.6785326	35.68	83.67888256	36.55
50	83.69520163	35.68	83.69555166	36.52
51	83.71187066	35.68	83.71222076	36.52
52	83.72853969	35.68	83.72888986	36.63
53				
54	83.74520872	35.68	83.74555896	36.63
55	83.76187775	35.68	83.76222806	36.52
56	83.77854678	35.68	83.77889716	36.49
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58	83.79521581	35.68	83.79556626	36.52
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3	83.82855387	35.68	83.82890446	36.49
4	83.8452229	35.68	83.84557356	36.49
5	83.86189193	35.68	83.86224266	36.52
6	83.87856096	35.68	83.87891176	36.52
7	83.89522999	35.68	83.89558086	36.57
8	83.91189902	35.68	83.91224996	36.52
9	83.92856805	35.68	83.92891906	36.52
10	83.94523708	35.68	83.94558816	36.49
11	83.96190611	35.68	83.96225726	36.49
12	83.97857514	35.68	83.97892636	36.55
13	83.99524417	35.68	83.99559546	36.49
14	84.0119132	35.68	84.01226456	36.49
15	84.02858223	35.68	84.02893366	36.55
16	84.04525126	35.68	84.04560276	36.55
17	84.06192029	35.68	84.06227186	36.57
18	84.07858933	35.68	84.07894096	36.52
19	84.09525836	35.68	84.09561006	36.49
20	84.11192739	35.68	84.11227916	36.55
21	84.12859642	35.68	84.12894826	36.46
22	84.14526545	35.68	84.14561737	36.55
23	84.16193448	35.68	84.16228647	36.49
24	84.17860351	35.68	84.17895557	36.52
25	84.19527254	35.68	84.19562467	36.49
26	84.21194157	35.68	84.21229377	36.46
27	84.2286106	35.68	84.22896287	36.55
28	84.24527963	35.68	84.24563197	36.52
29	84.26194866	35.68	84.26230107	36.52
30	84.27861769	35.68	84.27897017	36.49
31	84.29528672	35.68	84.29563927	36.49
32	84.31195575	35.68	84.31230837	36.57
33	84.32862478	35.68	84.32897747	36.52
34	84.34529381	35.68	84.34564657	36.49
35	84.36196284	35.68	84.36231567	36.46
36	84.37863187	35.68	84.37898477	36.52
37	84.3953009	35.68	84.39565387	36.55
38	84.41196993	35.68	84.41232297	36.52
39	84.42863896	35.68	84.42899207	36.52
40	84.44530799	35.68	84.44566117	36.52
41	84.46197702	35.68	84.46233027	36.57
42	84.47864605	35.68	84.47899937	36.49
43	84.49531509	35.68	84.49566847	36.55
44	84.51198412	35.68	84.51233757	36.46
45	84.52865315	35.68	84.52900667	36.46
46	84.54532218	35.67	84.54567577	36.46
47	84.56199121	35.68	84.56234487	36.52
48	84.57866024	35.68	84.57901397	36.52
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3	84.6119983	35.68	84.61235217	36.46
4	84.62866733	35.68	84.62902127	36.49
5	84.64533636	35.68	84.64569037	36.49
6	84.66200539	35.67	84.66235947	36.52
7	84.67867442	35.67	84.67902857	36.57
8	84.69534345	35.67	84.69569767	36.52
9	84.71201248	35.67	84.71236677	36.49
10	84.72868151	35.67	84.72903587	36.49
11	84.74535054	35.68	84.74570497	36.46
12	84.76201957	35.67	84.76237407	36.46
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14	84.79535763	35.67	84.79571227	36.46
15	84.81202666	35.68	84.81238137	36.49
16	84.82869569	35.68	84.82905047	36.49
17	84.84536472	35.68	84.84571957	36.52
18	84.86203375	35.68	84.86238867	36.52
19	84.87870278	35.68	84.87905777	36.57
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21	84.91204085	35.68	84.91239597	36.46
22	84.92870988	35.68	84.92906507	36.46
23	84.94537891	35.68	84.94573417	36.52
24	84.96204794	35.68	84.96240327	36.49
25	84.97871697	35.68	84.97907237	36.55
26	84.995386	35.68	84.99574147	36.52
27	85.01205503	35.68	85.01241057	36.49
28	85.02872406	35.68	85.02907967	36.49
29	85.04539309	35.68	85.04574877	36.52
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31	85.07873115	35.68	85.07908697	36.55
32	85.09540018	35.68	85.09575607	36.52
33	85.11206921	35.67	85.11242517	36.49
34	85.12873824	35.67	85.12909427	36.49
35	85.14540727	35.67	85.14576337	36.52
36	85.1620763	35.67	85.16243247	36.49
37	85.17874533	35.67	85.17910157	36.55
38	85.19541436	35.67	85.19577067	36.46
39	85.21208339	35.67	85.21243977	36.46
40	85.22875242	35.67	85.22910887	36.49
41	85.24542145	35.67	85.24577797	36.55
42	85.26209048	35.67	85.26244707	36.49
43	85.27875951	35.67	85.27911617	36.52
44	85.29542854	35.67	85.29578527	36.46
45	85.31209757	35.67	85.31245437	36.46
46	85.32876661	35.67	85.32912347	36.49
47	85.34543564	35.67	85.34579257	36.52
48	85.36210467	35.67	85.36246167	36.49
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3	85.39544273	35.66	85.39579987	36.46
4	85.41211176	35.66	85.41246897	36.46
5	85.42878079	35.66	85.42913807	36.46
6	85.44544982	35.66	85.44580717	36.46
7	85.46211885	35.66	85.46247627	36.49
8	85.47878788	35.66	85.47914537	36.52
9	85.49545691	35.66	85.49581447	36.55
10	85.51212594	35.66	85.51248357	36.46
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13	85.56213303	35.66	85.56249087	36.52
14	85.57880206	35.66	85.57915997	36.55
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16	85.61214012	35.66	85.61249817	36.46
17	85.62880915	35.66	85.62916728	36.49
18	85.64547818	35.66	85.64583638	36.46
19	85.66214721	35.66	85.66250548	36.55
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21	85.69548527	35.66	85.69584368	36.55
22	85.7121543	35.66	85.71251278	36.46
23	85.72882333	35.66	85.72918188	36.46
24	85.74549237	35.66	85.74585098	36.49
25	85.7621614	35.66	85.76252008	36.49
26	85.77883043	35.66	85.77918918	36.55
27	85.79549946	35.66	85.79585828	36.57
28	85.81216849	35.66	85.81252738	36.55
29	85.82883752	35.66	85.82919648	36.49
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31	85.86217558	35.66	85.86253468	36.46
32	85.87884461	35.66	85.87920378	36.6
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34	85.91218267	35.66	85.91254198	36.55
35	85.9288517	35.67	85.92921108	36.46
36	85.94552073	35.67	85.94588018	36.46
37	85.96218976	35.67	85.96254928	36.49
38	85.97885879	35.67	85.97921838	36.49
39	85.99552782	35.67	85.99588748	36.55
40	86.01219685	35.67	86.01255658	36.49
41	86.02886588	35.67	86.02922568	36.55
42	86.04553491	35.67	86.04589478	36.46
43	86.06220394	35.67	86.06256388	36.46
44	86.07887297	35.67	86.07923298	36.49
45	86.095542	35.67	86.09590208	36.52
46	86.11221103	35.67	86.11257118	36.57
47	86.12888006	35.67	86.12924028	36.55
48	86.14554909	35.67	86.14590938	36.55
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3	86.17888716	35.67	86.17924758	36.46
4	86.19555619	35.67	86.19591668	36.46
5	86.21222522	35.67	86.21258578	36.63
6	86.22889425	35.67	86.22925488	36.49
7	86.24556328	35.67	86.24592398	36.57
8	86.26223231	35.67	86.26259308	36.52
9	86.27890134	35.67	86.27926218	36.49
10	86.29557037	35.67	86.29593128	36.49
11	86.3122394	35.67	86.31260038	36.46
12	86.32890843	35.67	86.32926948	36.52
13	86.34557746	35.67	86.34593858	36.49
14	86.36224649	35.67	86.36260768	36.57
15	86.37891552	35.67	86.37927678	36.52
16	86.39558455	35.67	86.39594588	36.52
17	86.41225358	35.67	86.41261498	36.52
18	86.42892261	35.67	86.42928408	36.49
19	86.44559164	35.67	86.44595318	36.52
20	86.46226067	35.67	86.46262228	36.46
21	86.4789297	35.67	86.47929138	36.57
22	86.49559873	35.67	86.49596048	36.52
23	86.51226776	35.67	86.51262958	36.52
24	86.52893679	35.67	86.52929868	36.49
25	86.54560582	35.66	86.54596778	36.46
26	86.56227485	35.66	86.56263688	36.52
27	86.57894389	35.66	86.57930598	36.52
28	86.59561292	35.66	86.59597508	36.57
29	86.61228195	35.66	86.61264418	36.52
30	86.62895098	35.66	86.62931328	36.49
31	86.64562001	35.66	86.64598238	36.46
32	86.66228904	35.66	86.66265148	36.49
33	86.67895807	35.66	86.67932058	36.52
34	86.6956271	35.66	86.69598968	36.52
35	86.71229613	35.66	86.71265878	36.55
36	86.72896516	35.66	86.72932788	36.55
37	86.74563419	35.66	86.74599698	36.49
38	86.76230322	35.66	86.76266608	36.52
39	86.77897225	35.66	86.77933518	36.52
40	86.79564128	35.66	86.79600428	36.46
41	86.81231031	35.66	86.81267338	36.46
42	86.82897934	35.66	86.82934248	36.55
43	86.84564837	35.66	86.84601158	36.57
44	86.8623174	35.66	86.86268068	36.52
45	86.87898643	35.66	86.87934978	36.52
46	86.89565546	35.66	86.89601888	36.49
47	86.91232449	35.66	86.91268798	36.46
48	86.92899352	35.66	86.92935708	36.46
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2	86.94566255	35.66	86.94602618	36.52
3	86.96233158	35.66	86.96269528	36.55
4	86.97900061	35.66	86.97936438	36.49
5	86.99566964	35.66	86.99603348	36.49
6				
7	87.01233868	35.66	87.01270258	36.52
8	87.02900771	35.66	87.02937168	36.52
9	87.04567674	35.66	87.04604078	36.55
10	87.06234577	35.66	87.06270988	36.46
11	87.0790148	35.66	87.07937898	36.55
12	87.09568383	35.66	87.09604808	36.49
13				
14	87.11235286	35.66	87.11271718	36.52
15	87.12902189	35.66	87.12938629	36.52
16	87.14569092	35.66	87.14605539	36.49
17	87.16235995	35.66	87.16272449	36.52
18	87.17902898	35.66	87.17939359	36.49
19				
20	87.19569801	35.66	87.19606269	36.57
21	87.21236704	35.66	87.21273179	36.49
22	87.22903607	35.66	87.22940089	36.49
23				
24	87.2457051	35.66	87.24606999	36.46
25	87.26237413	35.66	87.26273909	36.46
26	87.27904316	35.66	87.27940819	36.49
27	87.29571219	35.66	87.29607729	36.49
28	87.31238122	35.66	87.31274639	36.57
29	87.32905025	35.66	87.32941549	36.57
30	87.34571928	35.66	87.34608459	36.52
31	87.36238831	35.66	87.36275369	36.52
32	87.37905734	35.66	87.37942279	36.49
33				
34	87.39572637	35.66	87.39609189	36.49
35	87.4123954	35.66	87.41276099	36.52
36	87.42906444	35.66	87.42943009	36.46
37	87.44573347	35.66	87.44609919	36.52
38	87.4624025	35.66	87.46276829	36.46
39	87.47907153	35.66	87.47943739	36.46
40	87.49574056	35.66	87.49610649	36.49
41				
42	87.51240959	35.66	87.51277559	36.52
43	87.52907862	35.66	87.52944469	36.57
44	87.54574765	35.66	87.54611379	36.52
45	87.56241668	35.66	87.56278289	36.55
46	87.57908571	35.66	87.57945199	36.52
47	87.59575474	35.66	87.59612109	36.46
48	87.61242377	35.66	87.61279019	36.46
49	87.6290928	35.66	87.62945929	36.49
50	87.64576183	35.66	87.64612839	36.52
51	87.66243086	35.66	87.66279749	36.55
52	87.67909989 NaN		87.67946659	36.46
53	87.69576892	35.66	87.69613569	36.46
54	87.71243795	35.66	87.71280479	36.52
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3	87.74577601	35.66	87.74614299	36.49
4	87.76244504	35.66	87.76281209	36.52
5	87.77911407	35.66	87.77948119	36.49
6				
7	87.7957831	35.66	87.79615029	36.55
8	87.81245213	35.66	87.81281939	36.52
9	87.82912116	35.66	87.82948849	36.57
10	87.8457902	35.66	87.84615759	36.49
11	87.86245923	35.66	87.86282669	36.46
12	87.87912826	35.66	87.87949579	36.49
13				
14	87.89579729	35.66	87.89616489	36.52
15	87.91246632	35.66	87.91283399	36.57
16	87.92913535	35.66	87.92950309	36.49
17	87.94580438	35.66	87.94617219	36.55
18	87.96247341	35.66	87.96284129	36.52
19				
20	87.97914244	35.66	87.97951039	36.46
21	87.99581147	35.66	87.99617949	36.46
22				
23	88.0124805	35.66	88.01284859	36.49
24	88.02914953	35.67	88.02951769	36.49
25	88.04581856	35.66	88.04618679	36.55
26	88.06248759	35.66	88.06285589	36.52
27	88.07915662	35.66	88.07952499	36.57
28	88.09582565	35.66	88.09619409	36.57
29				
30	88.11249468	35.66	88.11286319	36.52
31	88.12916371	35.66	88.12953229	36.52
32	88.14583274	35.66	88.14620139	36.52
33	88.16250177	35.66	88.16287049	36.49
34				
35	88.1791708	35.66	88.17953959	36.55
36	88.19583983	35.66	88.19620869	36.52
37	88.21250886	35.66	88.21287779	36.57
38	88.22917789	35.66	88.22954689	36.57
39	88.24584692	35.66	88.24621599	36.52
40				
41	88.26251596	35.66	88.26288509	36.49
42	88.27918499	35.66	88.27955419	36.49
43	88.29585402	35.66	88.29622329	36.49
44	88.31252305	35.66	88.31289239	36.52
45	88.32919208	35.66	88.32956149	36.46
46	88.34586111	35.66	88.34623059	36.52
47	88.36253014	35.66	88.36289969	36.55
48	88.37919917	35.66	88.37956879	36.52
49				
50	88.3958682	35.66	88.39623789	36.52
51	88.41253723	35.66	88.41290699	36.49
52	88.42920626	35.66	88.42957609	36.49
53				
54	88.44587529	35.66	88.44624519	36.52
55	88.46254432	35.66	88.46291429	36.46
56	88.47921335	35.66	88.47958339	36.52
57	88.49588238	35.66	88.49625249	36.55
58				
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2	88.51255141	35.66	88.51292159	36.49
3	88.52922044	35.65	88.52959069	36.52
4	88.54588947	35.65	88.54625979	36.52
5	88.5625585	35.66	88.56292889	36.52
6				
7	88.57922753	35.65	88.57959799	36.55
8	88.59589656	35.65	88.59626709	36.49
9	88.61256559	35.65	88.6129362	36.55
10	88.62923462	35.65	88.6296053	36.55
11	88.64590365	35.65	88.6462744	36.46
12	88.66257268	35.65	88.6629435	36.46
13				
14	88.67924172	35.65	88.6796126	36.46
15	88.69591075	35.65	88.6962817	36.46
16	88.71257978	35.65	88.7129508	36.52
17	88.72924881	35.65	88.7296199	36.46
18	88.74591784	35.65	88.746289	36.55
19				
20	88.76258687	35.65	88.7629581	36.55
21	88.7792559	35.65	88.7796272	36.49
22				
23	88.79592493	35.65	88.7962963	36.49
24	88.81259396	35.65	88.8129654	36.49
25	88.82926299	35.65	88.8296345	36.49
26	88.84593202	35.65	88.8463036	36.52
27	88.86260105	35.65	88.8629727	36.46
28	88.87927008	35.65	88.8796418	36.52
29	88.89593911	35.65	88.8963109	36.52
30				
31	88.91260814	35.65	88.91298	36.49
32	88.92927717	35.65	88.9296491	36.52
33	88.9459462	35.65	88.9463182	36.49
34				
35	88.96261523	35.65	88.9629873	36.46
36	88.97928426	35.65	88.9796564	36.46
37	88.99595329	35.65	88.9963255	36.55
38	89.01262232	35.65	89.0129946	36.52
39	89.02929135	35.65	89.0296637	36.57
40				
41	89.04596038	35.65	89.0463328	36.43
42	89.06262941	35.65	89.0630019	36.46
43	89.07929844	35.65	89.079671	36.49
44	89.09596748	35.65	89.0963401	36.52
45	89.11263651	35.66	89.1130092	36.49
46	89.12930554	35.66	89.1296783	36.49
47	89.14597457	35.66	89.1463474	36.46
48				
49	89.1626436	35.66	89.1630165	36.55
50	89.17931263	35.66	89.1796856	36.55
51	89.19598166	35.66	89.1963547	36.46
52	89.21265069	35.66	89.2130238	36.46
53				
54	89.22931972	35.66	89.2296929	36.46
55	89.24598875	35.66	89.246362	36.46
56	89.26265778	35.66	89.2630311	36.49
57				
58	89.27932681	35.66	89.2797002	36.55
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2	89.29599584	35.66	89.2963693	36.46
3	89.31266487	35.66	89.3130384	36.55
4	89.3293339	35.66	89.3297075	36.34
5	89.34600293	35.66	89.3463766	36.46
6	89.36267196	35.66	89.3630457	36.46
7	89.37934099	35.66	89.3797148	36.49
8	89.39601002	35.66	89.3963839	36.49
9	89.41267905	35.66	89.413053	36.55
10	89.42934808	35.66	89.4297221	36.49
11	89.44601711	35.66	89.4463912	36.55
12	89.46268614	35.66	89.4630603	36.52
13	89.47935517	35.66	89.4797294	36.46
14	89.4960242	35.66	89.4963985	36.46
15	89.51269324	35.66	89.5130676	36.43
16	89.52936227	35.66	89.5297367	36.46
17	89.5460313	35.66	89.5464058	36.43
18	89.56270033	35.66	89.5630749	36.52
19	89.57936936	35.66	89.579744	36.46
20	89.59603839	35.66	89.5964131	36.52
21	89.61270742	35.66	89.6130822	36.55
22	89.62937645	35.66	89.6297513	36.49
23	89.64604548	35.66	89.6464204	36.49
24	89.66271451	35.66	89.6630895	36.49
25	89.67938354	35.66	89.6797586	36.46
26	89.69605257	35.66	89.6964277	36.46
27	89.7127216	35.66	89.7130968	36.49
28	89.72939063	35.66	89.7297659	36.43
29	89.74605966	35.66	89.746435	36.49
30	89.76272869	35.66	89.7631041	36.55
31	89.77939772	35.66	89.7797732	36.49
32	89.79606675	35.66	89.7964423	36.49
33	89.81273578	35.66	89.8131114	36.49
34	89.82940481	35.66	89.8297805	36.49
35	89.84607384	35.66	89.8464496	36.49
36	89.86274287	35.66	89.8631187	36.43
37	89.8794119	35.66	89.8797878	36.55
38	89.89608093	35.66	89.8964569	36.55
39	89.91274996	35.66	89.913126	36.49
40	89.92941899	35.67	89.9297951	36.49
41	89.94608803	35.67	89.9464642	36.46
42	89.96275706	35.67	89.9631333	36.46
43	89.97942609	35.67	89.9798024	36.46
44	89.99609512	35.67	89.9964715	36.55
45	90.01276415	35.67	90.0131406	36.49
46	90.02943318	35.67	90.0298097	36.52
47	90.04610221	35.67	90.0464788	36.49
48	90.06277124	35.67	90.0631479	36.46
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2	90.07944027	35.67	90.079817	36.49
3	90.0961093	35.67	90.09648611	36.49
4	90.11277833	35.67	90.11315521	36.49
5	90.12944736	35.67	90.12982431	36.46
6	90.14611639	35.67	90.14649341	36.49
7	90.16278542	35.67	90.16316251	36.46
8	90.17945445	35.67	90.17983161	36.52
9	90.19612348	35.67	90.19650071	36.52
10	90.21279251	35.67	90.21316981	36.49
11	90.22946154	35.67	90.22983891	36.49
12	90.24613057	35.67	90.24650801	36.49
13	90.2627996	35.67	90.26317711	36.49
14	90.27946863	35.67	90.27984621	36.46
15	90.29613766	35.67	90.29651531	36.52
16	90.31280669	35.67	90.31318441	36.43
17	90.32947572	35.67	90.32985351	36.49
18	90.34614475	35.67	90.34652261	36.52
19	90.36281379	35.67	90.36319171	36.46
20	90.37948282	35.67	90.37986081	36.46
21	90.39615185	35.67	90.39652991	36.49
22	90.41282088	35.67	90.41319901	36.49
23	90.42948991	35.67	90.42986811	36.49
24	90.44615894	35.67	90.44653721	36.55
25	90.46282797	35.67	90.46320631	36.49
26	90.479497	35.67	90.47987541	36.52
27	90.49616603	35.67	90.49654451	36.52
28	90.51283506	35.67	90.51321361	36.46
29	90.52950409	35.67	90.52988271	36.46
30	90.54617312	35.67	90.54655181	36.46
31	90.56284215	35.67	90.56322091	36.46
32	90.57951118	35.67	90.57989001	36.49
33	90.59618021	35.67	90.59655911	36.52
34	90.61284924	35.67	90.61322821	36.49
35	90.62951827	35.67	90.62989731	36.55
36	90.6461873	35.67	90.64656641	36.55
37	90.66285633	35.67	90.66323551	36.49
38	90.67952536	35.67	90.67990461	36.49
39	90.69619439	35.67	90.69657371	36.46
40	90.71286342	35.67	90.71324281	36.46
41	90.72953245	35.67	90.72991191	36.46
42	90.74620148	35.67	90.74658101	36.52
43	90.76287051	35.67	90.76325011	36.49
44	90.77953955	35.67	90.77991921	36.55
45	90.79620858	35.67	90.79658831	36.52
46	90.81287761	35.67	90.81325741	36.46
47	90.82954664	35.67	90.82992651	36.46
48	90.84621567	35.67	90.84659561	36.46
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2	90.8628847	35.67	90.86326471	36.49
3	90.87955373	35.67	90.87993381	36.49
4	90.89622276	35.67	90.89660291	36.52
5	90.91289179	35.67	90.91327201	36.43
6	90.92956082	35.67	90.92994111	36.49
7	90.94622985	35.66	90.94661021	36.55
8	90.96289888	35.66	90.96327931	36.49
9	90.97956791	35.66	90.97994841	36.49
10	90.99623694	35.66	90.99661751	36.46
11	90.99623694	35.66	90.99661751	36.46
12	91.01290597	35.66	91.01328661	36.46
13	91.01290597	35.66	91.01328661	36.46
14	91.029575	35.66	91.02995571	36.49
15	91.04624403	35.66	91.04662481	36.55
16	91.06291306	35.66	91.06329391	36.46
17	91.07958209	35.66	91.07996301	36.49
18	91.09625112	35.66	91.09663211	36.37
19	91.09625112	35.66	91.09663211	36.37
20	91.11292015	35.66	91.11330121	36.46
21	91.12958918	35.66	91.12997031	36.46
22	91.14625821	35.66	91.14663941	36.49
23	91.14625821	35.66	91.14663941	36.49
24	91.16292724	35.66	91.16330851	36.49
25	91.17959627	35.66	91.17997761	36.49
26	91.19626531	35.66	91.19664671	36.52
27	91.21293434	35.66	91.21331581	36.55
28	91.22960337	35.66	91.22998491	36.49
29	91.22960337	35.66	91.22998491	36.49
30	91.2462724	35.66	91.24665401	36.52
31	91.26294143	35.66	91.26332311	36.52
32	91.27961046	35.66	91.27999221	36.46
33	91.29627949	35.66	91.29666131	36.46
34	91.31294852	35.66	91.31333041	36.46
35	91.31294852	35.66	91.31333041	36.46
36	91.32961755	35.66	91.32999951	36.46
37	91.34628658	35.66	91.34666861	36.49
38	91.36295561	35.66	91.36333771	36.55
39	91.37962464	35.66	91.38000681	36.52
40	91.39629367	35.66	91.39667591	36.55
41	91.39629367	35.66	91.39667591	36.55
42	91.4129627	35.66	91.41334501	36.52
43	91.42963173	35.66	91.43001411	36.43
44	91.44630076	35.66	91.44668321	36.46
45	91.46296979	35.66	91.46335231	36.49
46	91.47963882	35.66	91.48002141	36.52
47	91.47963882	35.66	91.48002141	36.52
48	91.49630785	35.66	91.49669051	36.46
49	91.51297688	35.66	91.51335961	36.49
50	91.52964591	35.66	91.53002871	36.46
51	91.54631494	35.66	91.54669781	36.55
52	91.54631494	35.66	91.54669781	36.55
53	91.56298397	35.65	91.56336691	36.57
54	91.579653	35.65	91.58003601	36.49
55	91.59632203	35.65	91.59670512	36.46
56	91.61299107	35.65	91.61337422	36.46
57	91.61299107	35.65	91.61337422	36.46
58	91.6296601	35.65	91.63004332	36.49
59				
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2	91.64632913	35.65	91.64671242	36.52
3	91.66299816	35.65	91.66338152	36.49
4	91.67966719	35.65	91.68005062	36.49
5	91.69633622	35.65	91.69671972	36.43
6	91.71300525	35.65	91.71338882	36.55
7	91.72967428	35.65	91.73005792	36.55
8	91.74634331	35.65	91.74672702	36.49
9	91.76301234	35.65	91.76339612	36.46
10	91.77968137	35.65	91.78006522	36.46
11	91.7963504	35.65	91.79673432	36.46
12	91.81301943	35.65	91.81340342	36.46
13	91.82968846	35.65	91.83007252	36.55
14	91.84635749	35.65	91.84674162	36.49
15	91.86302652	35.65	91.86341072	36.57
16	91.87969555	35.65	91.88007982	36.55
17	91.89636458	35.65	91.89674892	36.49
18	91.91303361	35.65	91.91341802	36.49
19	91.92970264	35.65	91.93008712	36.49
20	91.94637167	35.65	91.94675622	36.46
21	91.9630407	35.65	91.96342532	36.46
22	91.97970973	35.65	91.98009442	36.46
23	91.99637876	35.65	91.99676352	36.55
24	92.01304779	35.65	92.01343262	36.46
25	92.02971683	35.65	92.03010172	36.52
26	92.04638586	35.65	92.04677082	36.52
27	92.06305489	35.65	92.06343992	36.46
28	92.07972392	35.65	92.08010902	36.46
29	92.09639295	35.65	92.09677812	36.46
30	92.11306198	35.65	92.11344722	36.46
31	92.12973101	35.65	92.13011632	36.46
32	92.14640004	35.65	92.14678542	36.55
33	92.16306907	35.64	92.16345452	36.49
34	92.1797381	35.65	92.18012362	36.55
35	92.19640713	35.65	92.19679272	36.55
36	92.21307616	35.65	92.21346182	36.46
37	92.22974519	35.64	92.23013092	36.46
38	92.24641422	35.65	92.24680002	36.46
39	92.26308325	35.65	92.26346912	36.46
40	92.27975228	35.65	92.28013822	36.46
41	92.29642131	35.65	92.29680732	36.49
42	92.31309034	35.64	92.31347642	36.55
43	92.32975937	35.64	92.33014552	36.49
44	92.3464284	35.64	92.34681462	36.55
45	92.36309743	35.65	92.36348372	36.55
46	92.37976646	35.65	92.38015282	36.49
47	92.39643549	35.65	92.39682192	36.49
48	92.41310452	35.64	92.41349102	36.46
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2	92.42977355	35.64	92.43016012	36.46
3	92.44644258	35.65	92.44682922	36.46
4	92.46311162	35.65	92.46349832	36.49
5	92.47978065	35.65	92.48016742	36.43
6	92.49644968	35.64	92.49683652	36.46
7	92.51311871	35.64	92.51350562	36.52
8	92.52978774	35.65	92.53017472	36.55
9	92.54645677	35.65	92.54684382	36.49
10	92.5631258	35.64	92.56351292	36.49
11	92.57979483	35.64	92.58018202	36.46
12	92.59646386	35.64	92.59685112	36.46
13	92.61313289	35.64	92.61352022	36.46
14	92.62980192	35.64	92.63018932	36.55
15	92.64647095	35.64	92.64685842	36.49
16	92.66313998	35.64	92.66352752	36.57
17	92.67980901	35.64	92.68019662	36.55
18	92.69647804	35.64	92.69686572	36.49
19	92.71314707	35.64	92.71353482	36.49
20	92.7298161	35.64	92.73020392	36.46
21	92.74648513	35.64	92.74687302	36.46
22	92.76315416	35.64	92.76354212	36.46
23	92.77982319	35.64	92.78021122	36.46
24	92.79649222	35.64	92.79688032	36.55
25	92.81316125	35.64	92.81354942	36.49
26	92.82983028	35.64	92.83021852	36.55
27	92.84649931	35.64	92.84688762	36.52
28	92.86316834	35.64	92.86355672	36.46
29	92.87983738	35.64	92.88022582	36.46
30	92.89650641	35.64	92.89689492	36.49
31	92.91317544	35.64	92.91356402	36.49
32	92.92984447	35.64	92.93023312	36.49
33	92.9465135	35.64	92.94690222	36.46
34	92.96318253	35.64	92.96357132	36.52
35	92.97985156	35.64	92.98024042	36.46
36	92.99652059	35.64	92.99690952	36.52
37	93.01318962	35.64	93.01357862	36.52
38	93.02985865	35.64	93.03024772	36.49
39	93.04652768	35.64	93.04691682	36.49
40	93.06319671	35.64	93.06358592	36.49
41	93.07986574	35.64	93.08025503	36.49
42	93.09653477	35.64	93.09692413	36.49
43	93.1132038	35.64	93.11359323	36.52
44	93.12987283	35.64	93.13026233	36.49
45	93.14654186	35.64	93.14693143	36.43
46	93.16321089	35.64	93.16360053	36.52
47	93.17987992	35.64	93.18026963	36.52
48	93.19654895	35.64	93.19693873	36.46
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2	93.21321798	35.64	93.21360783	36.46
3	93.22988701	35.64	93.23027693	36.46
4	93.24655604	35.65	93.24694603	36.46
5	93.26322507	35.65	93.26361513	36.46
6				
7	93.2798941	35.65	93.28028423	36.49
8	93.29656314	35.65	93.29695333	36.4
9	93.31323217	35.65	93.31362243	36.46
10	93.3299012	35.65	93.33029153	36.52
11	93.34657023	35.65	93.34696063	36.52
12	93.36323926	35.65	93.36362973	36.46
13				
14	93.37990829	35.65	93.38029883	36.46
15	93.39657732	35.65	93.39696793	36.46
16	93.41324635	35.65	93.41363703	36.46
17	93.42991538	35.65	93.43030613	36.46
18	93.44658441	35.65	93.44697523	36.49
19				
20	93.46325344	35.65	93.46364433	36.52
21	93.47992247	35.65	93.48031343	36.49
22	93.4965915	35.65	93.49698253	36.55
23				
24	93.51326053	35.65	93.51365163	36.55
25	93.52992956	35.65	93.53032073	36.46
26	93.54659859	35.65	93.54698983	36.46
27	93.56326762	35.65	93.56365893	36.46
28	93.57993665	35.65	93.58032803	36.46
29	93.59660568	35.65	93.59699713	36.46
30				
31	93.61327471	35.65	93.61366623	36.6
32	93.62994374	35.65	93.63033533	36.55
33	93.64661277	35.65	93.64700443	36.49
34	93.6632818	35.65	93.66367353	36.55
35				
36	93.67995083 NaN		93.68034263	36.52
37	93.69661986	35.65	93.69701173	36.46
38	93.7132889	35.65	93.71368083	36.43
39	93.72995793	35.65	93.73034993	36.43
40				
41	93.74662696	35.65	93.74701903	36.46
42	93.76329599	35.65	93.76368813	36.46
43	93.77996502	35.65	93.78035723	36.49
44	93.79663405	35.65	93.79702633	36.55
45	93.81330308	35.65	93.81369543	36.49
46	93.82997211	35.65	93.83036453	36.52
47	93.84664114	35.65	93.84703363	36.52
48	93.86331017	35.65	93.86370273	36.43
49	93.8799792	35.65	93.88037183	36.43
50	93.89664823	35.65	93.89704093	36.43
51				
52	93.91331726	35.65	93.91371003	36.43
53	93.92998629	35.65	93.93037913	36.43
54	93.94665532	35.65	93.94704823	36.43
55	93.96332435	35.65	93.96371733	36.49
56	93.97999338	35.65	93.98038643	36.49
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2	93.99666241	35.65	93.99705553	36.43
3	94.01333144	35.65	94.01372463	36.49
4	94.03000047	35.65	94.03039373	36.49
5	94.0466695	35.65	94.04706283	36.43
6	94.06333853	35.65	94.06373193	36.43
7	94.08000756	35.65	94.08040103	36.43
8	94.09667659	35.65	94.09707013	36.46
9	94.11334562	35.65	94.11373923	36.46
10	94.13001466	35.65	94.13040833	36.46
11	94.14668369	35.65	94.14707743	36.55
12	94.16335272	35.65	94.16374653	36.49
13	94.18002175	35.65	94.18041563	36.55
14	94.19669078	35.65	94.19708473	36.55
15	94.21335981	35.65	94.21375383	36.43
16	94.23002884	35.65	94.23042293	36.46
17	94.24669787	35.65	94.24709203	36.43
18	94.2633669	35.66	94.26376113	36.43
19	94.28003593	35.66	94.28043023	36.46
20	94.29670496	35.65	94.29709933	36.46
21	94.31337399	35.65	94.31376843	36.46
22	94.33004302	35.65	94.33043753	36.55
23	94.34671205	35.65	94.34710663	36.49
24	94.36338108	35.65	94.36377573	36.55
25	94.38005011	35.65	94.38044483	36.55
26	94.39671914	35.65	94.39711393	36.49
27	94.41338817	35.65	94.41378303	36.46
28	94.4300572	35.65	94.43045213	36.46
29	94.44672623	35.65	94.44712123	36.46
30	94.46339526	35.65	94.46379033	36.43
31	94.48006429	35.65	94.48045943	36.43
32	94.49673332	35.65	94.49712853	36.49
33	94.51340235	35.65	94.51379763	36.49
34	94.53007138	35.65	94.53046673	36.43
35	94.54674042	35.65	94.54713583	36.52
36	94.56340945	35.65	94.56380494	36.52
37	94.58007848	35.65	94.58047404	36.46
38	94.59674751	35.65	94.59714314	36.49
39	94.61341654	35.65	94.61381224	36.49
40	94.63008557	35.65	94.63048134	36.46
41	94.6467546	35.65	94.64715044	36.46
42	94.66342363	35.65	94.66381954	36.43
43	94.68009266	35.65	94.68048864	36.46
44	94.69676169	35.65	94.69715774	36.52
45	94.71343072	35.65	94.71382684	36.46
46	94.73009975	35.65	94.73049594	36.55
47	94.74676878	35.65	94.74716504	36.55
48	94.76343781	35.65	94.76383414	36.46
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2	94.78010684	35.65	94.78050324	36.43
3	94.79677587	35.65	94.79717234	36.43
4	94.8134449	35.65	94.81384144	36.46
5	94.83011393	35.65	94.83051054	36.49
6	94.84678296	35.65	94.84717964	36.46
7	94.86345199	35.65	94.86384874	36.46
8	94.88012102	35.65	94.88051784	36.49
9	94.89679005	35.65	94.89718694	36.43
10	94.91345908	35.65	94.91385604	36.52
11	94.93012811	35.65	94.93052514	36.55
12	94.94679714	35.65	94.94719424	36.55
13	94.96346618	35.65	94.96386334	36.43
14	94.98013521	35.65	94.98053244	36.49
15	94.99680424	35.65	94.99720154	36.46
16	95.01347327	35.65	95.01387064	36.43
17	95.0301423	35.65	95.03053974	36.49
18	95.04681133	35.65	95.04720884	36.43
19	95.06348036	35.65	95.06387794	36.49
20	95.08014939	35.65	95.08054704	36.46
21	95.09681842	35.65	95.09721614	36.57
22	95.11348745	35.65	95.11388524	36.52
23	95.13015648	35.65	95.13055434	36.55
24	95.14682551	35.65	95.14722344	36.43
25	95.16349454	35.65	95.16389254	36.43
26	95.18016357	35.65	95.18056164	36.46
27	95.1968326	35.65	95.19723074	36.49
28	95.21350163	35.65	95.21389984	36.49
29	95.23017066	35.65	95.23056894	36.46
30	95.24683969	35.65	95.24723804	36.52
31	95.26350872	35.65	95.26390714	36.52
32	95.28017775	35.65	95.28057624	36.43
33	95.29684678	35.65	95.29724534	36.49
34	95.31351581	35.65	95.31391444	36.49
35	95.33018484	35.65	95.33058354	36.43
36	95.34685387	35.65	95.34725264	36.43
37	95.3635229	35.65	95.36392174	36.43
38	95.38019193	35.65	95.38059084	36.46
39	95.39686097	35.65	95.39725994	36.49
40	95.41353	35.65	95.41392904	36.49
41	95.43019903	35.65	95.43059814	36.46
42	95.44686806	35.65	95.44726724	36.49
43	95.46353709	35.65	95.46393634	36.43
44	95.48020612	35.65	95.48060544	36.52
45	95.49687515	35.65	95.49727454	36.55
46	95.51354418	35.65	95.51394364	36.55
47	95.53021321	35.65	95.53061274	36.43
48	95.54688224	35.65	95.54728184	36.43
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2	95.56355127	35.65	95.56395094	36.49
3	95.5802203	35.65	95.58062004	36.46
4	95.59688933	35.65	95.59728914	36.43
5	95.61355836	35.65	95.61395824	36.43
6	95.63022739	35.65	95.63062734	36.52
7	95.64689642	35.65	95.64729644	36.49
8	95.66356545	35.65	95.66396554	36.46
9	95.68023448	35.65	95.68063464	36.49
10	95.69690351	35.65	95.69730374	36.49
11	95.71357254	35.65	95.71397284	36.46
12	95.73024157	35.65	95.73064194	36.49
13	95.7469106	35.65	95.74731104	36.46
14	95.76357963	35.65	95.76398014	36.46
15	95.78024866	35.65	95.78064924	36.43
16	95.79691769	35.65	95.79731834	36.43
17	95.81358673	35.65	95.81398744	36.49
18	95.83025576	35.64	95.83065654	36.49
19	95.84692479	35.64	95.84732564	36.43
20	95.86359382	35.64	95.86399474	36.49
21	95.88026285	35.64	95.88066384	36.49
22	95.89693188	35.64	95.89733294	36.37
23	95.91360091	35.64	95.91400204	36.43
24	95.93026994	35.64	95.93067114	36.43
25	95.94693897	35.64	95.94734024	36.43
26	95.963608	35.64	95.96400934	36.43
27	95.98027703	35.64	95.98067844	36.43
28	95.99694606	35.64	95.99734754	36.43
29	96.01361509	35.64	96.01401664	36.49
30	96.03028412	35.64	96.03068574	36.46
31	96.04695315	35.64	96.04735484	36.49
32	96.06362218	35.64	96.06402395	36.55
33	96.08029121	35.64	96.08069305	36.55
34	96.09696024	35.64	96.09736215	36.49
35	96.11362927	35.64	96.11403125	36.46
36	96.1302983	35.64	96.13070035	36.43
37	96.14696733	35.64	96.14736945	36.43
38	96.16363636	35.64	96.16403855	36.43
39	96.18030539	35.64	96.18070765	36.46
40	96.19697442	35.64	96.19737675	36.52
41	96.21364345	35.64	96.21404585	36.52
42	96.23031249	35.64	96.23071495	36.43
43	96.24698152	35.64	96.24738405	36.49
44	96.26365055	35.64	96.26405315	36.49
45	96.28031958	35.64	96.28072225	36.49
46	96.29698861	35.64	96.29739135	36.43
47	96.31365764	35.64	96.31406045	36.46
48	96.33032667	35.64	96.33072955	36.46
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2	96.3469957	35.64	96.34739865	36.49
3	96.36366473	35.64	96.36406775	36.46
4	96.38033376	35.64	96.38073685	36.46
5	96.39700279	35.64	96.39740595	36.49
6	96.41367182	35.64	96.41407505	36.4
7	96.43034085	35.64	96.43074415	36.46
8	96.44700988	35.64	96.44741325	36.52
9	96.46367891	35.64	96.46408235	36.55
10	96.48034794	35.64	96.48075145	36.43
11	96.49701697	35.63	96.49742055	36.43
12	96.513686	35.64	96.51408965	36.43
13	96.53035503	35.64	96.53075875	36.43
14	96.54702406	35.64	96.54742785	36.46
15	96.56369309	35.64	96.56409695	36.49
16	96.58036212	35.64	96.58076605	36.46
17	96.59703115	35.64	96.59743515	36.49
18	96.61370018	35.64	96.61410425	36.46
19	96.63036921	35.64	96.63077335	36.43
20	96.64703825	35.64	96.64744245	36.52
21	96.66370728	35.64	96.66411155	36.52
22	96.68037631	35.64	96.68078065	36.46
23	96.69704534	35.64	96.69744975	36.46
24	96.71371437	35.64	96.71411885	36.43
25	96.7303834	35.64	96.73078795	36.43
26	96.74705243	35.64	96.74745705	36.43
27	96.76372146	35.64	96.76412615	36.46
28	96.78039049	35.64	96.78079525	36.46
29	96.79705952	35.64	96.79746435	36.49
30	96.81372855	35.64	96.81413345	36.43
31	96.83039758	35.64	96.83080255	36.52
32	96.84706661	35.63	96.84747165	36.6
33	96.86373564	35.63	96.86414075	36.52
34	96.88040467	35.64	96.88080985	36.43
35	96.8970737	35.64	96.89747895	36.43
36	96.91374273	35.64	96.91414805	36.43
37	96.93041176	35.64	96.93081715	36.43
38	96.94708079	35.64	96.94748625	36.43
39	96.96374982	35.64	96.96415535	36.46
40	96.98041885	35.64	96.98082445	36.52
41	96.99708788	35.64	96.99749355	36.52
42	97.01375691	35.64	97.01416265	36.46
43	97.03042594	35.64	97.03083175	36.52
44	97.04709497	35.64	97.04750085	36.52
45	97.06376401	35.64	97.06416995	36.52
46	97.08043304	35.64	97.08083905	36.46
47	97.09710207	35.64	97.09750815	36.46
48	97.1137711	35.64	97.11417725	36.46
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2	97.13044013	35.64	97.13084635	36.46
3	97.14710916	35.64	97.14751545	36.46
4	97.16377819	35.64	97.16418455	36.46
5	97.18044722	35.64	97.18085365	36.52
6	97.19711625	35.64	97.19752275	36.52
7	97.21378528	35.64	97.21419185	36.46
8	97.23045431	35.64	97.23086095	36.49
9	97.24712334	35.63	97.24753005	36.52
10	97.26379237	35.64	97.26419915	36.37
11	97.2804614	35.63	97.28086825	36.46
12	97.29713043	35.63	97.29753735	36.46
13	97.31379946	35.63	97.31420645	36.46
14	97.33046849	35.64	97.33087555	36.46
15	97.34713752	35.63	97.34754465	36.46
16	97.36380655	35.63	97.36421375	36.49
17	97.38047558	35.63	97.38088285	36.52
18	97.39714461	35.63	97.39755195	36.37
19	97.41381364	35.63	97.41422105	36.46
20	97.43048267	35.63	97.43089015	36.52
21	97.4471517	35.63	97.44755925	36.52
22	97.46382073	35.63	97.46422835	36.52
23	97.48048977	35.63	97.48089745	36.46
24	97.4971588	35.63	97.49756655	36.46
25	97.51382783	35.63	97.51423565	36.46
26	97.53049686	35.63	97.53090475	36.46
27	97.54716589	35.63	97.54757386	36.46
28	97.56383492	35.63	97.56424296	36.43
29	97.58050395	35.63	97.58091206	36.43
30	97.59717298	35.63	97.59758116	36.49
31	97.61384201	35.63	97.61425026	36.43
32	97.63051104	35.63	97.63091936	36.52
33	97.64718007	35.63	97.64758846	36.55
34	97.6638491	35.62	97.66425756	36.52
35	97.68051813	35.62	97.68092666	36.43
36	97.69718716	35.62	97.69759576	36.43
37	97.71385619	35.62	97.71426486	36.43
38	97.73052522	35.62	97.73093396	36.43
39	97.74719425	35.62	97.74760306	36.46
40	97.76386328	35.62	97.76427216	36.46
41	97.78053231	35.62	97.78094126	36.46
42	97.79720134	35.62	97.79761036	36.49
43	97.81387037	35.62	97.81427946	36.43
44	97.8305394	35.62	97.83094856	36.43
45	97.84720843	35.62	97.84761766	36.49
46	97.86387746	35.62	97.86428676	36.49
47	97.88054649	35.62	97.88095586	36.43
48	97.89721552	35.62	97.89762496	36.43
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2	97.91388456	35.62	97.91429406	36.43
3	97.93055359	35.62	97.93096316	36.46
4	97.94722262	35.62	97.94763226	36.46
5	97.96389165	35.62	97.96430136	36.46
6	97.98056068	35.62	97.98097046	36.46
7	97.99722971	35.63	97.99763956	36.52
8	98.01389874	35.63	98.01430866	36.49
9	98.03056777	35.63	98.03097776	36.49
10	98.0472368	35.63	98.04764686	36.52
11	98.06390583	35.62	98.06431596	36.52
12	98.08057486	35.62	98.08098506	36.55
13	98.09724389	35.62	98.09765416	36.46
14	98.11391292	35.63	98.11432326	36.46
15	98.13058195	35.63	98.13099236	36.43
16	98.14725098	35.63	98.14766146	36.43
17	98.16392001	35.63	98.16433056	36.43
18	98.18058904	35.63	98.18099966	36.4
19	98.19725807	35.63	98.19766876	36.49
20	98.2139271	35.63	98.21433786	36.52
21	98.23059613	35.63	98.23100696	36.49
22	98.24726516	35.63	98.24767606	36.52
23	98.26393419	35.63	98.26434516	36.49
24	98.28060322	35.63	98.28101426	36.49
25	98.29727225	35.63	98.29768336	36.43
26	98.31394128	35.63	98.31435246	36.43
27	98.33061032	35.63	98.33102156	36.43
28	98.34727935	35.63	98.34769066	36.46
29	98.36394838	35.63	98.36435976	36.46
30	98.38061741	35.63	98.38102886	36.46
31	98.39728644	35.63	98.39769796	36.55
32	98.41395547	35.63	98.41436706	36.49
33	98.4306245	35.63	98.43103616	36.43
34	98.44729353	35.63	98.44770526	36.49
35	98.46396256	35.63	98.46437436	36.49
36	98.48063159	35.63	98.48104346	36.49
37	98.49730062	35.63	98.49771256	36.43
38	98.51396965	35.63	98.51438166	36.43
39	98.53063868	35.63	98.53105076	36.43
40	98.54730771	35.63	98.54771986	36.46
41	98.56397674	35.63	98.56438896	36.46
42	98.58064577	35.63	98.58105806	36.46
43	98.5973148	35.63	98.59772716	36.46
44	98.61398383	35.63	98.61439626	36.49
45	98.63065286	35.63	98.63106536	36.43
46	98.64732189	35.63	98.64773446	36.34
47	98.66399092	35.63	98.66440356	36.46
48	98.68065995	35.63	98.68107266	36.46
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2	98.69732898	35.63	98.69774176	36.4
3	98.71399801	35.63	98.71441086	36.4
4	98.73066704	35.63	98.73107996	36.4
5	98.74733608	35.64	98.74774906	36.43
6	98.76400511	35.64	98.76441816	36.43
7	98.78067414	35.64	98.78108726	36.43
8	98.79734317	35.64	98.79775636	36.46
9				
10	98.8140122	35.63	98.81442546	36.52
11	98.83068123	35.64	98.83109456	36.46
12	98.84735026	35.64	98.84776366	36.46
13				
14	98.86401929	35.64	98.86443276	36.52
15	98.88068832	35.64	98.88110186	36.49
16	98.89735735	35.64	98.89777096	36.46
17	98.91402638	35.64	98.91444006	36.43
18	98.93069541	35.64	98.93110916	36.43
19	98.94736444	35.64	98.94777826	36.43
20	98.96403347	35.64	98.96444736	36.46
21				
22	98.9807025	35.64	98.98111646	36.46
23	98.99737153	35.64	98.99778556	36.43
24	99.01404056	35.64	99.01445466	36.46
25	99.03070959	35.64	99.03112377	36.46
26	99.04737862	35.64	99.04779287	36.46
27	99.06404765	35.64	99.06446197	36.52
28	99.08071668	35.64	99.08113107	36.57
29	99.09738571	35.64	99.09780017	36.46
30	99.11405474	35.64	99.11446927	36.43
31	99.13072377	35.64	99.13113837	36.46
32	99.1473928	35.64	99.14780747	36.46
33	99.16406184	35.64	99.16447657	36.43
34	99.18073087	35.64	99.18114567	36.43
35	99.1973999	35.64	99.19781477	36.4
36	99.21406893	35.64	99.21448387	36.4
37	99.23073796	35.64	99.23115297	36.46
38	99.24740699	35.64	99.24782207	36.43
39	99.26407602	35.64	99.26449117	36.52
40	99.28074505	35.64	99.28116027	36.52
41	99.29741408	35.64	99.29782937	36.52
42	99.31408311	35.64	99.31449847	36.43
43	99.33075214	35.64	99.33116757	36.4
44	99.34742117	35.64	99.34783667	36.4
45	99.3640902	35.64	99.36450577	36.43
46	99.38075923	35.64	99.38117487	36.43
47	99.39742826	35.64	99.39784397	36.4
48	99.41409729	35.64	99.41451307	36.43
49	99.43076632	35.64	99.43118217	36.49
50	99.44743535	35.64	99.44785127	36.43
51	99.46410438	35.64	99.46452037	36.43
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2	99.48077341	35.64	99.48118947	36.49
3	99.49744244	35.64	99.49785857	36.46
4	99.51411147	35.64	99.51452767	36.43
5	99.5307805	35.64	99.53119677	36.43
6				
7	99.54744953	35.64	99.54786587	36.4
8	99.56411856	35.64	99.56453497	36.46
9	99.5807876	35.64	99.58120407	36.43
10	99.59745663	35.64	99.59787317	36.4
11	99.61412566	35.64	99.61454227	36.43
12	99.63079469	35.64	99.63121137	36.49
13				
14	99.64746372	35.64	99.64788047	36.52
15	99.66413275	35.64	99.66454957	36.43
16	99.68080178 NaN		99.68121867	36.49
17	99.69747081	35.64	99.69788777	36.37
18	99.71413984	35.64	99.71455687	36.46
19				
20	99.73080887	35.64	99.73122597	36.4
21	99.7474779	35.64	99.74789507	36.4
22				
23	99.76414693	35.64	99.76456417	36.4
24	99.78081596	35.64	99.78123327	36.4
25	99.79748499	35.64	99.79790237	36.4
26	99.81415402	35.64	99.81457147	36.4
27	99.83082305	35.64	99.83124057	36.4
28	99.84749208	35.64	99.84790967	36.49
29				
30	99.86416111	35.64	99.86457877	36.46
31	99.88083014	35.64	99.88124787	36.52
32	99.89749917	35.64	99.89791697	36.52
33	99.9141682	35.64	99.91458607	36.49
34	99.93083723	35.64	99.93125517	36.4
35				
36	99.94750626	35.64	99.94792427	36.4
37	99.96417529	35.64	99.96459337	36.4
38	99.98084432	35.64	99.98126247	36.43
39	99.99751336	35.64	99.99793157	36.43
40	100.0141824	35.64	100.0146007	36.43
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Temperature vs Time Data For Figure 4 B

Patient Monitor		NTM	
Time (min)	Temp (°C)	Time (min)	Temp (°C)
50.00476281	34.95	50.0048572	35.56
50.02143107	34.95	50.02152548	35.51
50.03809932	34.95	50.03819377	35.54
50.05476757	34.95	50.05486206	35.62
50.07143583	34.95	50.07153034	35.62
50.08810408	34.95	50.08819863	35.65
50.10477234	34.95	50.10486691	35.65
50.12144059	34.95	50.1215352	35.54
50.13810885	34.96	50.13820348	35.54
50.1547771	34.96	50.15487177	35.54
50.17144535	34.96	50.17154006	35.54
50.18811361	34.96	50.18820834	35.54
50.20478186	34.96	50.20487663	35.54
50.22145012	34.96	50.22154491	35.51
50.23811837	34.96	50.2382132	35.65
50.25478663	34.96	50.25488148	35.51
50.27145488	34.96	50.27154977	35.65
50.28812313	34.96	50.28821806	35.65
50.30479139	34.96	50.30488634	35.65
50.32145964	34.96	50.32155463	35.54
50.3381279	34.96	50.33822291	35.51
50.35479615	34.96	50.3548912	35.56
50.37146441	34.96	50.37155948	35.51
50.38813266	34.96	50.38822777	35.56
50.40480091	34.96	50.40489606	35.51
50.42146917	34.96	50.42156434	35.54
50.43813742	34.96	50.43823263	35.51
50.45480568	34.96	50.45490091	35.56
50.47147393	34.96	50.4715692	35.54
50.48814219	34.96	50.48823748	35.65
50.50481044	34.96	50.50490577	35.62
50.52147869	34.96	50.52157406	35.54
50.53814695	34.96	50.53824234	35.54
50.5548152	34.96	50.55491063	35.62
50.57148346	34.96	50.57157891	35.65
50.58815171	34.96	50.5882472	35.65
50.60481997	34.96	50.60491548	35.68
50.62148822	34.96	50.62158377	35.48
50.63815647	34.96	50.63825206	35.56
50.65482473	34.96	50.65492034	35.54
50.67149298	34.96	50.67158863	35.54
50.68816124	34.96	50.68825691	35.54
50.70482949	34.96	50.7049252	35.51

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2	50.72149775	34.96	50.72159348	35.56
3	50.738166	34.96	50.73826177	35.54
4	50.75483425	34.96	50.75493006	35.56
5	50.77150251	34.96	50.77159834	35.54
6	50.78817076	34.96	50.78826663	35.56
7	50.80483902	34.96	50.80493491	35.54
8	50.82150727	34.97	50.8216032	35.65
9	50.83817553	34.97	50.83827149	35.62
10	50.85484378	34.97	50.85493977	35.56
11	50.87151203	34.97	50.87160806	35.54
12	50.88818029	34.97	50.88827634	35.62
13	50.90484854	34.97	50.90494463	35.65
14	50.9215168	34.97	50.92161291	35.59
15	50.93818505	34.97	50.9382812	35.68
16	50.95485331	34.97	50.95494949	35.65
17	50.97152156	34.97	50.97161777	35.56
18	50.98818981	34.97	50.98828606	35.54
19	51.00485807	34.97	51.00495434	35.56
20	51.02152632	34.97	51.02162263	35.54
21	51.03819458	34.97	51.03829091	35.56
22	51.05486283	34.97	51.0549592	35.54
23	51.07153109	34.97	51.07162749	35.56
24	51.08819934	34.97	51.08829577	35.54
25	51.10486759	34.97	51.10496406	35.56
26	51.12153585	34.97	51.12163234	35.54
27	51.1382041	34.97	51.13830063	35.59
28	51.15487236	34.97	51.15496891	35.54
29	51.17154061	34.97	51.1716372	35.65
30	51.18820887	34.97	51.18830549	35.62
31	51.20487712	34.97	51.20497377	35.51
32	51.22154537	34.97	51.22164206	35.56
33	51.23821363	34.97	51.23831034	35.54
34	51.25488188	34.97	51.25497863	35.68
35	51.27155014	34.97	51.27164691	35.65
36	51.28821839	34.97	51.2883152	35.79
37	51.30488665	34.97	51.30498349	35.68
38	51.3215549	34.97	51.32165177	35.68
39	51.33822315	34.97	51.33832006	35.59
40	51.35489141	34.97	51.35498834	35.54
41	51.37155966	34.97	51.37165663	35.59
42	51.38822792	34.97	51.38832491	35.56
43	51.40489617	34.97	51.4049932	35.56
44	51.42156442	34.97	51.42166149	35.56
45	51.43823268	34.97	51.43832977	35.56
46	51.45490093	34.97	51.45499806	35.56
47	51.47156919	34.97	51.47166634	35.54
48	51.48823744	34.97	51.48833463	35.59
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2	51.5049057	34.97	51.50500291	35.54
3	51.52157395	34.97	51.5216712	35.59
4	51.5382422	34.97	51.53833949	35.54
5	51.55491046	34.97	51.55500777	35.65
6	51.57157871	34.97	51.57167606	35.65
7	51.58824697	34.97	51.58834434	35.54
8	51.60491522	34.97	51.60501263	35.56
9	51.62158348	34.97	51.62168091	35.54
10	51.63825173	34.97	51.6383492	35.68
11	51.65491998	34.97	51.65501749	35.62
12	51.67158824	34.98	51.67168577	35.71
13	51.68825649	34.98	51.68835406	35.68
14	51.70492475	34.97	51.70502234	35.68
15	51.721593	34.97	51.72169063	35.62
16	51.73826126	34.98	51.73835891	35.56
17	51.75492951	34.98	51.7550272	35.59
18	51.77159776	34.98	51.77169549	35.56
19	51.78826602	34.98	51.78836377	35.59
20	51.80493427	34.98	51.80503206	35.56
21	51.82160253	34.98	51.82170034	35.56
22	51.83827078	34.98	51.83836863	35.59
23	51.85493904	34.98	51.85503691	35.56
24	51.87160729	34.98	51.8717052	35.59
25	51.88827554	34.98	51.88837349	35.56
26	51.9049438	34.98	51.90504177	35.59
27	51.92161205	34.98	51.92171006	35.59
28	51.93828031	34.98	51.93837834	35.56
29	51.95494856	34.98	51.95504663	35.68
30	51.97161682	34.98	51.97171491	35.65
31	51.98828507	34.98	51.9883832	35.68
32	52.00495332	34.98	52.00505149	35.56
33	52.02162158	34.98	52.02171977	35.59
34	52.03828983	34.98	52.03838806	35.56
35	52.05495809	34.98	52.05505634	35.68
36	52.07162634	34.98	52.07172463	35.68
37	52.0882946	34.98	52.08839291	35.65
38	52.10496285	34.98	52.1050612	35.71
39	52.1216311	34.98	52.12172949	35.68
40	52.13829936	34.98	52.13839777	35.71
41	52.15496761	34.98	52.15506606	35.56
42	52.17163587	34.98	52.17173434	35.59
43	52.18830412	34.98	52.18840263	35.56
44	52.20497238	34.98	52.20507092	35.59
45	52.22164063	34.98	52.2217392	35.56
46	52.23830888	34.98	52.23840749	35.59
47	52.25497714	34.98	52.25507577	35.56
48	52.27164539	34.98	52.27174406	35.62
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2	52.28831365	34.98	52.28841234	35.54
3	52.3049819	34.98	52.30508063	35.59
4	52.32165016	34.98	52.32174892	35.56
5	52.33831841	34.98	52.3384172	35.59
6	52.35498666	34.98	52.35508549	35.59
7	52.37165492	34.98	52.37175377	35.56
9	52.38832317	34.98	52.38842206	35.59
10	52.40499143	34.98	52.40509034	35.65
11	52.42165968	34.98	52.42175863	35.68
12	52.43832794	34.98	52.43842692	35.68
14	52.45499619	34.98	52.4550952	35.56
15	52.47166444	34.98	52.47176349	35.59
16	52.4883327	34.98	52.48843177	35.56
17	52.50500095	34.98	52.50510006	35.68
18	52.52166921	34.98	52.52176834	35.65
20	52.53833746	34.98	52.53843663	35.71
21	52.55500572	34.98	52.55510492	35.68
22	52.57167397	34.98	52.5717732	35.71
23	52.58834222	34.98	52.58844149	35.73
25	52.60501048	34.98	52.60510977	35.59
26	52.62167873	34.98	52.62177806	35.56
27	52.63834699	34.99	52.63844634	35.59
28	52.65501524	34.99	52.65511463	35.56
29	52.6716835	34.99	52.67178292	35.62
31	52.68835175	34.99	52.6884512	35.59
32	52.70502	34.99	52.70511949	35.59
33	52.72168826	34.99	52.72178777	35.59
34	52.73835651	34.99	52.73845606	35.56
35	52.75502477	34.99	52.75512434	35.59
36	52.77169302	34.99	52.77179263	35.59
38	52.78836128	34.99	52.78846092	35.59
39	52.80502953	34.99	52.8051292	35.59
40	52.82169778	34.99	52.82179749	35.56
42	52.83836604	34.99	52.83846577	35.62
43	52.85503429	34.99	52.85513406	35.54
44	52.87170255	34.99	52.87180234	35.71
45	52.8883708	34.99	52.88847063	35.68
46	52.90503906	34.99	52.90513892	35.68
47	52.92170731	34.99	52.9218072	35.56
49	52.93837556	34.99	52.93847549	35.59
50	52.95504382	34.99	52.95514377	35.59
51	52.97171207	34.99	52.97181206	35.68
52	52.98838033	34.99	52.98848034	35.68
54	53.00504858	34.99	53.00514863	35.68
55	53.02171683	34.99	53.02181692	35.54
56	53.03838509	34.99	53.0384852	35.71
57	53.05505334	34.99	53.05515349	35.71

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2	53.0717216	34.99	53.07182177	35.71
3	53.08838985	34.99	53.08849006	35.62
4	53.10505811	34.98	53.10515834	35.59
5	53.12172636	34.98	53.12182663	35.59
6	53.13839461	34.98	53.13849492	35.56
7	53.15506287	34.98	53.1551632	35.59
8	53.17173112	34.98	53.17183149	35.56
9	53.18839938	34.98	53.18849977	35.59
10	53.20506763	34.98	53.20516806	35.56
11	53.22173589	34.98	53.22183634	35.62
12	53.23840414	34.98	53.23850463	35.59
13	53.25507239	34.98	53.25517292	35.62
14	53.27174065	34.98	53.2718412	35.59
15	53.2884089	34.98	53.28850949	35.59
16	53.30507716	34.98	53.30517777	35.59
17	53.32174541	34.98	53.32184606	35.59
18	53.33841367	34.98	53.33851434	35.62
19	53.35508192	34.98	53.35518263	35.59
20	53.37175017	34.98	53.37185092	35.59
21	53.38841843	34.98	53.3885192	35.56
22	53.40508668	34.98	53.40518749	35.71
23	53.42175494	34.98	53.42185577	35.65
24	53.43842319	34.98	53.43852406	35.68
25	53.45509145	34.98	53.45519235	35.65
26	53.4717597	34.98	53.47186063	35.62
27	53.48842795	34.98	53.48852892	35.59
28	53.50509621	34.98	53.5051972	35.59
29	53.52176446	34.98	53.52186549	35.71
30	53.53843272	34.98	53.53853377	35.68
31	53.55510097	34.98	53.55520206	35.71
32	53.57176923	34.98	53.57187035	35.65
33	53.58843748	34.98	53.58853863	35.71
34	53.60510573	34.98	53.60520692	35.68
35	53.62177399	34.98	53.6218752	35.71
36	53.63844224	34.98	53.63854349	35.76
37	53.6551105	34.98	53.65521177	35.59
38	53.67177875	34.98	53.67188006	35.62
39	53.68844701	34.98	53.68854835	35.56
40	53.70511526	34.98	53.70521663	35.62
41	53.72178351	34.98	53.72188492	35.59
42	53.73845177	34.98	53.7385532	35.62
43	53.75512002	34.98	53.75522149	35.59
44	53.77178828	34.98	53.77188977	35.62
45	53.78845653	34.98	53.78855806	35.59
46	53.80512479	34.98	53.80522635	35.59
47	53.82179304	34.98	53.82189463	35.59
48	53.83846129	34.98	53.83856292	35.59
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3	53.8717978	34.98	53.87189949	35.56
4	53.88846606	34.98	53.88856777	35.62
5	53.90513431	34.98	53.90523606	35.59
6	53.92180257	34.98	53.92190435	35.59
7	53.93847082	34.98	53.93857263	35.62
8	53.95513907	34.98	53.95524092	35.56
9	53.97180733	34.98	53.9719092	35.56
10	53.98847558	34.98	53.98857749	35.68
11	54.00514384	34.98	54.00524577	35.68
12	54.02181209	34.98	54.02191406	35.68
13	54.03848035	34.98	54.03858235	35.68
14	54.0551486	34.98	54.05525063	35.62
15	54.07181685	34.98	54.07191892	35.59
16	54.08848511	34.99	54.0885872	35.62
17	54.10515336	34.99	54.10525549	35.54
18	54.12182162	34.99	54.12192377	35.71
19	54.13848987	34.99	54.13859206	35.68
20	54.15515813	34.99	54.15526035	35.68
21	54.17182638	34.99	54.17192863	35.73
22	54.18849463	34.99	54.18859692	35.71
23	54.20516289	34.99	54.2052652	35.73
24	54.22183114	34.99	54.22193349	35.71
25	54.2384994	34.99	54.23860177	35.73
26	54.25516765	34.99	54.25527006	35.59
27	54.27183591	34.99	54.27193835	35.62
28	54.28850416	34.99	54.28860663	35.56
29	54.30517241	34.99	54.30527492	35.62
30	54.32184067	34.99	54.3219432	35.59
31	54.33850892	34.99	54.33861149	35.62
32	54.35517718	34.99	54.35527977	35.59
33	54.37184543	34.99	54.37194806	35.62
34	54.38851369	34.99	54.38861635	35.59
35	54.40518194	34.99	54.40528463	35.59
36	54.42185019	34.99	54.42195292	35.56
37	54.43851845	34.99	54.4386212	35.62
38	54.4551867	34.99	54.45528949	35.56
39	54.47185496	34.99	54.47195777	35.62
40	54.48852321	34.99	54.48862606	35.59
41	54.50519147	34.99	54.50529435	35.62
42	54.52185972	34.99	54.52196263	35.59
43	54.53852797	34.99	54.53863092	35.59
44	54.55519623	34.99	54.5552992	35.59
45	54.57186448	34.99	54.57196749	35.59
46	54.58853274	34.99	54.58863577	35.62
47	54.60520099	34.99	54.60530406	35.59
48	54.62186924	34.99	54.62197235	35.71
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2	54.6385375	34.99	54.63864063	35.68
3	54.65520575	34.99	54.65530892	35.68
4	54.67187401	34.99	54.6719772	35.68
5	54.68854226	34.99	54.68864549	35.71
6	54.70521052	34.99	54.70531378	35.59
7	54.72187877	35	54.72198206	35.62
8	54.73854702	35	54.73865035	35.59
9	54.75521528	35	54.75531863	35.62
10	54.77188353	35	54.77198692	35.65
11	54.78855179	35	54.7886552	35.71
12	54.80522004	35	54.80532349	35.68
13	54.8218883	35	54.82199178	35.71
14	54.83855655	35	54.83866006	35.68
15	54.8552248	35	54.85532835	35.71
16	54.87189306	35	54.87199663	35.71
17	54.88856131	35	54.88866492	35.73
18	54.90522957	35	54.9053332	35.71
19	54.92189782	35	54.92200149	35.65
20	54.93856608	35	54.93866978	35.59
21	54.95523433	35	54.95533806	35.62
22	54.97190258	35	54.97200635	35.59
23	54.98857084	35	54.98867463	35.59
24	55.00523909	35	55.00534292	35.62
25	55.02190735	35	55.0220112	35.59
26	55.0385756	35	55.03867949	35.62
27	55.05524386	35	55.05534778	35.62
28	55.07191211	35	55.07201606	35.59
29	55.08858036	35	55.08868435	35.62
30	55.10524862	35	55.10535263	35.62
31	55.12191687	35	55.12202092	35.59
32	55.13858513	35	55.1386892	35.62
33	55.15525338	35	55.15535749	35.59
34	55.17192164	35	55.17202578	35.59
35	55.18858989	35	55.18869406	35.62
36	55.20525814	35.01	55.20536235	35.59
37	55.2219264	35.01	55.22203063	35.62
38	55.23859465	35.01	55.23869892	35.59
39	55.25526291	35.01	55.2553672	35.62
40	55.27193116	35.01	55.27203549	35.59
41	55.28859942	35.01	55.28870378	35.62
42	55.30526767	35.01	55.30537206	35.59
43	55.32193592	35.01	55.32204035	35.62
44	55.33860418	35.01	55.33870863	35.59
45	55.35527243	35.01	55.35537692	35.62
46	55.37194069	35.01	55.3720452	35.56
47	55.38860894	35.01	55.38871349	35.71
48	55.4052772	35.01	55.40538178	35.68
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2	55.42194545	35.01	55.42205006	35.71
3	55.4386137	35.01	55.43871835	35.68
4	55.45528196	35.01	55.45538663	35.71
5	55.47195021	35.01	55.47205492	35.62
6				
7	55.48861847	35.01	55.4887232	35.62
8	55.50528672	35.01	55.50539149	35.59
9	55.52195498	35.01	55.52205978	35.62
10	55.53862323	35.01	55.53872806	35.59
11	55.55529148	35.01	55.55539635	35.59
12	55.57195974	35.01	55.57206463	35.73
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14	55.58862799	35.01	55.58873292	35.68
15	55.60529625	35.01	55.6054012	35.68
16	55.6219645	35.01	55.62206949	35.71
17	55.63863276	35.01	55.63873778	35.68
18	55.65530101	35.01	55.65540606	35.73
19				
20	55.67196926	35.01	55.67207435	35.76
21	55.68863752	35.01	55.68874263	35.73
22	55.70530577	35.01	55.70541092	35.71
23	55.72197403	35.01	55.7220792	35.73
24	55.73864228	35.01	55.73874749	35.71
25	55.75531054	35.01	55.75541578	35.79
26	55.77197879	35.01	55.77208406	35.62
27				
28	55.78864704	35.01	55.78875235	35.62
29				
30	55.8053153	35.01	55.80542063	35.59
31	55.82198355	35.01	55.82208892	35.62
32	55.83865181	35.01	55.8387572	35.62
33	55.85532006	35.02	55.85542549	35.62
34	55.87198832	35.02	55.87209378	35.62
35	55.88865657	35.02	55.88876206	35.59
36	55.90532482	35.02	55.90543035	35.62
37	55.92199308	35.02	55.92209863	35.59
38	55.93866133	35.02	55.93876692	35.62
39				
40	55.95532959	35.02	55.9554352	35.62
41	55.97199784	35.02	55.97210349	35.62
42				
43	55.9886661	35.02	55.98877178	35.62
44	56.00533435	35.02	56.00544006	35.59
45	56.0220026	35.02	56.02210835	35.65
46	56.03867086	35.02	56.03877663	35.59
47	56.05533911	35.02	56.05544492	35.62
48	56.07200737	35.02	56.07211321	35.65
49	56.08867562	35.02	56.08878149	35.59
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51	56.10534388	35.02	56.10544978	35.62
52	56.12201213	35.02	56.12211806	35.59
53				
54	56.13868038	35.02	56.13878635	35.62
55	56.15534864	35.02	56.15545463	35.62
56	56.17201689	35.02	56.17212292	35.59
57	56.18868515	35.01	56.18879121	35.65
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2	56.2053534	35.01	56.20545949	35.62
3	56.22202165	35.02	56.22212778	35.62
4	56.23868991	35.02	56.23879606	35.65
5	56.25535816	35.02	56.25546435	35.59
6	56.27202642	35.02	56.27213263	35.65
7	56.28869467	35.02	56.28880092	35.59
8	56.30536293	35.02	56.30546921	35.62
9	56.32203118	35.01	56.32213749	35.62
10	56.33869943	35.01	56.33880578	35.62
11	56.35536769	35.01	56.35547406	35.73
12	56.37203594	35.01	56.37214235	35.68
13	56.3887042	35.01	56.38881063	35.73
14	56.40537245	35.01	56.40547892	35.68
15	56.42204071	35.01	56.42214721	35.73
16	56.43870896	35.01	56.43881549	35.68
17	56.45537721	35.01	56.45548378	35.73
18	56.47204547	35.01	56.47215206	35.71
19	56.48871372	35.01	56.48882035	35.73
20	56.50538198	35.01	56.50548863	35.65
21	56.52205023	35.01	56.52215692	35.62
22	56.53871849	35.01	56.53882521	35.62
23	56.55538674	35.01	56.55549349	35.62
24	56.57205499	35.01	56.57216178	35.59
25	56.58872325	35.01	56.58883006	35.62
26	56.6053915	35.01	56.60549835	35.59
27	56.62205976	35.01	56.62216663	35.65
28	56.63872801	35.01	56.63883492	35.59
29	56.65539627	35.01	56.65550321	35.68
30	56.67206452	35.01	56.67217149	35.65
31	56.68873277	35.01	56.68883978	35.73
32	56.70540103	35.01	56.70550806	35.68
33	56.72206928	35.01	56.72217635	35.73
34	56.73873754	35.01	56.73884463	35.71
35	56.75540579	35.01	56.75551292	35.73
36	56.77207405	35.01	56.77218121	35.71
37	56.7887423	35.01	56.78884949	35.73
38	56.80541055	35.01	56.80551778	35.71
39	56.82207881	35.01	56.82218606	35.68
40	56.83874706	35.01	56.83885435	35.82
41	56.85541532	35.01	56.85552263	35.76
42	56.87208357	35.01	56.87219092	35.73
43	56.88875183	35.01	56.88885921	35.73
44	56.90542008	35.01	56.90552749	35.73
45	56.92208833	35.01	56.92219578	35.73
46	56.93875659	35.01	56.93886406	35.73
47	56.95542484	35.01	56.95553235	35.73
48	56.9720931	35.01	56.97220063	35.76
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2	56.98876135	35.01	56.98886892	35.62
3	57.00542961	35.01	57.00553721	35.62
4	57.02209786	35.01	57.02220549	35.65
5	57.03876611	35.01	57.03887378	35.62
6	57.05543437	35.01	57.05554206	35.65
7	57.07210262	35.01	57.07221035	35.62
8	57.08877088	35.01	57.08887863	35.65
9	57.10543913	35.02	57.10554692	35.62
10	57.12210739	35.01	57.12221521	35.62
11	57.13877564	35.02	57.13888349	35.62
12	57.15544389	35.02	57.15555178	35.62
13	57.17211215	35.02	57.17222006	35.65
14	57.1887804	35.02	57.18888835	35.62
15	57.20544866	35.02	57.20555663	35.65
16	57.22211691	35.02	57.22222492	35.62
17	57.23878517	35.02	57.23889321	35.65
18	57.25545342	35.02	57.25556149	35.62
19	57.27212167	35.02	57.27222978	35.65
20	57.28878993	35.02	57.28889806	35.62
21	57.30545818	35.02	57.30556635	35.62
22	57.32212644	35.02	57.32223464	35.62
23	57.33879469	35.02	57.33890292	35.62
24	57.35546295	35.02	57.35557121	35.62
25	57.3721312	35.02	57.37223949	35.71
26	57.38879945	35.02	57.38890778	35.71
27	57.40546771	35.02	57.40557606	35.71
28	57.42213596	35.02	57.42224435	35.71
29	57.43880422	35.02	57.43891264	35.73
30	57.45547247	35.02	57.45558092	35.65
31	57.47214073	35.02	57.47224921	35.65
32	57.48880898	35.02	57.48891749	35.62
33	57.50547723	35.02	57.50558578	35.65
34	57.52214549	35.02	57.52225406	35.62
35	57.53881374	35.02	57.53892235	35.65
36	57.555482	35.02	57.55559064	35.62
37	57.57215025	35.02	57.57225892	35.65
38	57.58881851	35.02	57.58892721	35.56
39	57.60548676	35.02	57.60559549	35.73
40	57.62215501	35.02	57.62226378	35.71
41	57.63882327	35.02	57.63893206	35.73
42	57.65549152	35.02	57.65560035	35.73
43	57.67215978	35.02	57.67226864	35.73
44	57.68882803	35.02	57.68893692	35.73
45	57.70549629	35.02	57.70560521	35.73
46	57.72216454	35.02	57.72227349	35.62
47	57.73883279	35.02	57.73894178	35.65
48	57.75550105	35.02	57.75561006	35.62
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2	57.7721693	35.02	57.77227835	35.65
3	57.78883756	35.03	57.78894664	35.62
4	57.80550581	35.03	57.80561492	35.65
5	57.82217406	35.03	57.82228321	35.62
6	57.83884232	35.03	57.83895149	35.65
7	57.85551057	35.03	57.85561978	35.62
8	57.87217883	35.03	57.87228806	35.68
9	57.88884708	35.03	57.88895635	35.62
10	57.90551534	35.03	57.90562464	35.68
11	57.92218359	35.03	57.92229292	35.62
12	57.93885184	35.03	57.93896121	35.65
13	57.9555201	35.03	57.95562949	35.62
14	57.97218835	35.03	57.97229778	35.65
15	57.98885661	35.03	57.98896606	35.73
16	58.00552486	35.03	58.00563435	35.71
17	58.02219312	35.03	58.02230264	35.62
18	58.03886137	35.03	58.03897092	35.62
19	58.05552962	35.03	58.05563921	35.65
20	58.07219788	35.03	58.07230749	35.71
21	58.08886613	35.03	58.08897578	35.73
22	58.10553439	35.04	58.10564406	35.73
23	58.12220264	35.04	58.12231235	35.76
24	58.1388709	35.04	58.13898064	35.73
25	58.15553915	35.04	58.15564892	35.62
26	58.1722074	35.04	58.17231721	35.65
27	58.18887566	35.04	58.18898549	35.62
28	58.20554391	35.04	58.20565378	35.65
29	58.22221217	35.04	58.22232206	35.62
30	58.23888042	35.04	58.23899035	35.65
31	58.25554868	35.04	58.25565864	35.62
32	58.27221693	35.04	58.27232692	35.65
33	58.28888518	35.04	58.28899521	35.62
34	58.30555344	35.04	58.30566349	35.65
35	58.32222169	35.04	58.32233178	35.65
36	58.33888995	35.04	58.33900006	35.65
37	58.3555582	35.04	58.35566835	35.65
38	58.37222646	35.04	58.37233664	35.62
39	58.38889471	35.04	58.38900492	35.68
40	58.40556296	35.04	58.40567321	35.71
41	58.42223122	35.04	58.42234149	35.73
42	58.43889947	35.04	58.43900978	35.65
43	58.45556773	35.04	58.45567806	35.65
44	58.47223598	35.04	58.47234635	35.65
45	58.48890424	35.04	58.48901464	35.73
46	58.50557249	35.04	58.50568292	35.73
47	58.52224074	35.04	58.52235121	35.71
48	58.538909	35.04	58.53901949	35.76
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3	58.57224551	35.04	58.57235607	35.65
4	58.58891376	35.04	58.58902435	35.62
5	58.60558202	35.04	58.60569264	35.65
6	58.62225027	35.04	58.62236092	35.62
7	58.63891852	35.04	58.63902921	35.65
8	58.65558678	35.04	58.65569749	35.62
9	58.67225503	35.05	58.67236578	35.65
10	58.68892329	35.05	58.68903407	35.62
11	58.70559154	35.05	58.70570235	35.68
12	58.7222598	35.05	58.72237064	35.62
13	58.73892805	35.05	58.73903892	35.68
14	58.7555963	35.05	58.75570721	35.62
15	58.77226456	35.05	58.77237549	35.79
16	58.78893281	35.05	58.78904378	35.71
17	58.80560107	35.05	58.80571207	35.76
18	58.82226932	35.05	58.82238035	35.62
19	58.83893758	35.05	58.83904864	35.68
20	58.85560583	35.05	58.85571692	35.71
21	58.87227408	35.05	58.87238521	35.76
22	58.88894234	35.05	58.88905349	35.76
23	58.90561059	35.05	58.90572178	35.76
24	58.92227885	35.05	58.92239007	35.54
25	58.9389471	35.05	58.93905835	35.65
26	58.95561536	35.05	58.95572664	35.65
27	58.97228361	35.05	58.97239492	35.65
28	58.98895186	35.05	58.98906321	35.65
29	59.00562012	35.05	59.00573149	35.65
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31	59.03895663	35.05	59.03906807	35.65
32	59.05562488	35.05	59.05573635	35.68
33	59.07229314	35.05	59.07240464	35.62
34	59.08896139	35.05	59.08907292	35.68
35	59.10562964	35.05	59.10574121	35.62
36	59.1222979	35.05	59.12240949	35.71
37	59.13896615	35.05	59.13907778	35.73
38	59.15563441	35.05	59.15574607	35.71
39	59.17230266	35.05	59.17241435	35.68
40	59.18897092	35.05	59.18908264	35.65
41	59.20563917	35.05	59.20575092	35.76
42	59.22230742	35.05	59.22241921	35.71
43	59.23897568	35.05	59.23908749	35.82
44	59.25564393	35.05	59.25575578	35.76
45	59.27231219	35.05	59.27242407	35.56
46	59.28898044	35.05	59.28909235	35.68
47	59.30564869	35.05	59.30576064	35.65
48	59.32231695	35.05	59.32242892	35.65
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3	59.35565346	35.05	59.35576549	35.65
4	59.37232171	35.05	59.37243378	35.68
5	59.38898997	35.05	59.38910207	35.65
6	59.40565822	35.06	59.40577035	35.65
7	59.42232647	35.06	59.42243864	35.65
8	59.43899473	35.06	59.43910692	35.65
9	59.45566298	35.06	59.45577521	35.68
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12	59.50566775	35.05	59.50578007	35.65
13	59.522336	35.06	59.52244835	35.65
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15	59.55567251	35.06	59.55578492	35.73
16	59.57234076	35.06	59.57245321	35.76
17	59.58900902	35.06	59.58912149	35.73
18	59.60567727	35.06	59.60578978	35.79
19	59.62234553	35.06	59.62245807	35.65
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21	59.65568203	35.06	59.65579464	35.65
22	59.67235029	35.06	59.67246292	35.68
23	59.68901854	35.06	59.68913121	35.65
24	59.7056868	35.05	59.70579949	35.68
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27	59.75569156	35.05	59.75580435	35.68
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32	59.83903283	35.05	59.83914578	35.76
33	59.85570109	35.05	59.85581407	35.65
34	59.87236934	35.05	59.87248235	35.68
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36	59.90570585	35.05	59.90581892	35.76
37	59.9223741	35.05	59.92248721	35.79
38	59.93904236	35.05	59.9391555	35.76
39	59.95571061	35.05	59.95582378	35.79
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42	60.00571537	35.05	60.00582864	35.68
43	60.02238363	35.05	60.02249692	35.65
44	60.03905188	35.05	60.03916521	35.68
45	60.05572014	35.05	60.0558335	35.65
46	60.07238839	35.05	60.07250178	35.68
47	60.08905665	35.05	60.08917007	35.65
48	60.1057249	35.05	60.10583835	35.68
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3	60.13906141	35.05	60.13917492	35.68
4	60.15572966	35.05	60.15584321	35.76
5	60.17239792	35.05	60.1725115	35.76
6	60.18906617	35.05	60.18917978	35.65
7	60.20573443	35.05	60.20584807	35.68
8	60.22240268	35.05	60.22251635	35.71
9	60.23907093	35.05	60.23918464	35.73
10	60.25573919	35.05	60.25585292	35.73
11	60.27240744	35.05	60.27252121	35.76
12	60.2890757	35.05	60.2891895	35.79
13	60.30574395	35.05	60.30585778	35.65
14	60.32241221	35.04	60.32252607	35.71
15	60.33908046	35.04	60.33919435	35.68
16	60.35574871	35.04	60.35586264	35.71
17	60.37241697	35.04	60.37253092	35.65
18	60.38908522	35.04	60.38919921	35.68
19	60.40575348	35.04	60.4058675	35.65
20	60.42242173	35.04	60.42253578	35.71
21	60.43908999	35.04	60.43920407	35.65
22	60.45575824	35.04	60.45587235	35.71
23	60.47242649	35.04	60.47254064	35.68
24	60.48909475	35.04	60.48920892	35.79
25	60.505763	35.04	60.50587721	35.73
26	60.52243126	35.04	60.5225455	35.71
27	60.53909951	35.04	60.53921378	35.65
28	60.55576777	35.04	60.55588207	35.76
29	60.57243602	35.05	60.57255035	35.76
30	60.58910427	35.05	60.58921864	35.79
31	60.60577253	35.04	60.60588692	35.79
32	60.62244078	35.05	60.62255521	35.73
33	60.63910904	35.05	60.6392235	35.71
34	60.65577729	35.05	60.65589178	35.65
35	60.67244555	35.05	60.67256007	35.71
36	60.6891138	35.05	60.68922835	35.65
37	60.70578205	35.05	60.70589664	35.68
38	60.72245031	35.05	60.72256492	35.68
39	60.73911856	35.05	60.73923321	35.68
40	60.75578682	35.05	60.7559015	35.68
41	60.77245507	35.05	60.77256978	35.68
42	60.78912333	35.05	60.78923807	35.71
43	60.80579158	35.05	60.80590635	35.73
44	60.82245983	35.05	60.82257464	35.79
45	60.83912809	35.05	60.83924292	35.76
46	60.85579634	35.05	60.85591121	35.68
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48	60.88913285	35.05	60.88924778	35.73
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3	60.92246936	35.05	60.92258435	35.79
4	60.93913761	35.05	60.93925264	35.79
5	60.95580587	35.05	60.95592092	35.71
6	60.97247412	35.05	60.97258921	35.65
7	60.98914238	35.05	60.9892575	35.71
8	61.00581063	35.05	61.00592578	35.68
9	61.02247888	35.05	61.02259407	35.68
10	61.03914714	35.05	61.03926235	35.71
11	61.05581539	35.05	61.05593064	35.65
12	61.07248365	35.05	61.07259892	35.68
13	61.0891519	35.05	61.08926721	35.71
14	61.10582016	35.05	61.1059355	35.68
15	61.12248841	35.05	61.12260378	35.71
16	61.13915666	35.05	61.13927207	35.79
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18	61.17249317	35.05	61.17260864	35.71
19	61.18916143	35.05	61.18927693	35.68
20	61.20582968	35.05	61.20594521	35.79
21	61.22249794	35.05	61.2226135	35.76
22	61.23916619	35.05	61.23928178	35.79
23	61.25583444	35.05	61.25595007	35.82
24	61.2725027	35.05	61.27261835	35.65
25	61.28917095	35.05	61.28928664	35.71
26	61.30583921	35.05	61.30595493	35.68
27	61.32250746	35.05	61.32262321	35.71
28	61.33917572	35.05	61.3392915	35.65
29	61.35584397	35.05	61.35595978	35.71
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31	61.38918048	35.05	61.38929635	35.71
32	61.40584873	35.05	61.40596464	35.71
33	61.42251699	35.05	61.42263293	35.68
34	61.43918524	35.05	61.43930121	35.68
35	61.4558535	35.05	61.4559695	35.76
36	61.47252175	35.05	61.47263778	35.79
37	61.48919	35.05	61.48930607	35.68
38	61.50585826	35.05	61.50597435	35.71
39	61.52252651	35.05	61.52264264	35.71
40	61.53919477	35.05	61.53931093	35.79
41	61.55586302	35.05	61.55597921	35.85
42	61.57253128	35.05	61.5726475	35.79
43	61.58919953	35.05	61.58931578	35.76
44	61.60586778	35.05	61.60598407	35.71
45	61.62253604	35.05	61.62265235	35.68
46	61.63920429	35.06	61.63932064	35.71
47	61.65587255	35.06	61.65598893	35.68
48	61.6725408	35.06	61.67265721	35.71
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3	61.70587731	35.06	61.70599378	35.71
4	61.72254556	35.06	61.72266207	35.68
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6	61.75588207	35.06	61.75599864	35.68
7	61.77255033	35.06	61.77266693	35.79
8	61.78921858	35.06	61.78933521	35.76
9	61.80588684	35.06	61.8060035	35.73
10	61.82255509	35.06	61.82267178	35.71
11	61.83922334	35.06	61.83934007	35.65
12	61.8558916	35.06	61.85600835	35.79
13	61.87255985	35.06	61.87267664	35.76
14	61.88922811	35.06	61.88934493	35.82
15	61.90589636	35.06	61.90601321	35.76
16	61.92256462	35.06	61.9226815	35.71
17	61.93923287	35.06	61.93934978	35.71
18	61.95590112	35.06	61.95601807	35.68
19	61.97256938	35.06	61.97268635	35.71
20	61.98923763	35.06	61.98935464	35.68
21	62.00590589	35.06	62.00602293	35.71
22	62.02257414	35.06	62.02269121	35.68
23	62.0392424	35.06	62.0393595	35.68
24	62.05591065	35.07	62.05602778	35.71
25	62.0725789	35.06	62.07269607	35.68
26	62.08924716	35.07	62.08936435	35.71
27	62.10591541	35.07	62.10603264	35.79
28	62.12258367	35.07	62.12270093	35.79
29	62.13925192	35.07	62.13936921	35.71
30	62.15592018	35.07	62.1560375	35.68
31	62.17258843	35.07	62.17270578	35.79
32	62.18925668	35.07	62.18937407	35.76
33	62.20592494	35.07	62.20604235	35.79
34	62.22259319	35.07	62.22271064	35.82
35	62.23926145	35.07	62.23937893	35.68
36	62.2559297	35.07	62.25604721	35.71
37	62.27259796	35.07	62.2727155	35.68
38	62.28926621	35.07	62.28938378	35.71
39	62.30593446	35.07	62.30605207	35.71
40	62.32260272	35.07	62.32272035	35.71
41	62.33927097	35.07	62.33938864	35.71
42	62.35593923	35.07	62.35605693	35.68
43	62.37260748	35.07	62.37272521	35.71
44	62.38927574	35.07	62.3893935	35.68
45	62.40594399	35.07	62.40606178	35.71
46	62.42261224	35.07	62.42273007	35.79
47	62.4392805	35.07	62.43939836	35.79
48	62.45594875	35.07	62.45606664	35.65

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2	62.47261701	35.07	62.47273493	35.68
3	62.48928526	35.07	62.48940321	35.71
4	62.50595351	35.07	62.5060715	35.79
5	62.52262177	35.07	62.52273978	35.79
6	62.53929002	35.07	62.53940807	35.82
7	62.55595828	35.07	62.55607636	35.79
8	62.57262653	35.07	62.57274464	35.73
9	62.58929479	35.07	62.58941293	35.68
10	62.60596304	35.07	62.60608121	35.71
11	62.62263129	35.08	62.6227495	35.71
12	62.63929955	35.08	62.63941778	35.68
13	62.6559678	35.07	62.65608607	35.73
14	62.67263606	35.08	62.67275436	35.68
15	62.68930431	35.08	62.68942264	35.71
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18	62.73930907	35.08	62.7394275	35.71
19	62.75597733	35.08	62.75609578	35.79
20	62.77264558	35.08	62.77276407	35.79
21	62.78931384	35.08	62.78943236	35.68
22	62.80598209	35.08	62.80610064	35.71
23	62.82265035	35.08	62.82276893	35.79
24	62.8393186	35.08	62.83943721	35.82
25	62.85598685	35.08	62.8561055	35.73
26	62.87265511	35.08	62.87277378	35.82
27	62.88932336	35.08	62.88944207	35.65
28	62.90599162	35.08	62.90611036	35.71
29	62.92265987	35.08	62.92277864	35.71
30	62.93932813	35.08	62.93944693	35.68
31	62.95599638	35.08	62.95611521	35.71
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33	62.98933289	35.08	62.98945178	35.73
34	63.00600114	35.08	63.00612007	35.68
35	63.0226694	35.08	63.02278836	35.73
36	63.03933765	35.08	63.03945664	35.68
37	63.05600591	35.08	63.05612493	35.73
38	63.07267416	35.08	63.07279321	35.71
39	63.08934241	35.08	63.0894615	35.82
40	63.10601067	35.08	63.10612978	35.79
41	63.12267892	35.08	63.12279807	35.71
42	63.13934718	35.08	63.13946636	35.73
43	63.15601543	35.08	63.15613464	35.76
44	63.17268369	35.08	63.17280293	35.82
45	63.18935194	35.08	63.18947121	35.79
46	63.20602019	35.08	63.2061395	35.82
47	63.22268845	35.08	63.22280778	35.71
48	63.2393567	35.08	63.23947607	35.71
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3	63.27269321	35.08	63.27281264	35.71
4	63.28936147	35.08	63.28948093	35.71
5	63.30602972	35.08	63.30614921	35.71
6	63.32269797	35.08	63.3228175	35.73
7	63.33936623	35.08	63.33948578	35.68
8	63.35603448	35.09	63.35615407	35.73
9	63.37270274	35.09	63.37282236	35.68
10	63.38937099	35.09	63.38949064	35.71
11	63.40603925	35.09	63.40615893	35.79
12	63.4227075	35.09	63.42282721	35.79
13	63.43937575	35.09	63.4394955	35.71
14	63.45604401	35.09	63.45616378	35.71
15	63.47271226	35.09	63.47283207	35.94
16	63.48938052	35.09	63.48950036	35.79
17	63.50604877	35.09	63.50616864	35.79
18	63.52271703	35.09	63.52283693	35.79
19	63.53938528	35.09	63.53950521	35.82
20	63.55605353	35.09	63.5561735	35.71
21	63.57272179	35.09	63.57284178	35.71
22	63.58939004	35.09	63.58951007	35.71
23	63.6060583	35.09	63.60617836	35.71
24	63.62272655	35.09	63.62284664	35.73
25	63.63939481	35.09	63.63951493	35.71
26	63.65606306	35.09	63.65618321	35.73
27	63.67273131	35.09	63.6728515	35.71
28	63.68939957	35.09	63.68951978	35.71
29	63.70606782	35.09	63.70618807	35.73
30	63.72273608	35.09	63.72285636	35.71
31	63.73940433	35.09	63.73952464	35.85
32	63.75607259	35.09	63.75619293	35.79
33	63.77274084	35.09	63.77286121	35.71
34	63.78940909	35.09	63.7895295	35.71
35	63.80607735	35.09	63.80619779	35.73
36	63.8227456	35.09	63.82286607	35.82
37	63.83941386	35.09	63.83953436	35.76
38	63.85608211	35.09	63.85620264	35.85
39	63.87275037	35.09	63.87287093	35.82
40	63.88941862	35.09	63.88953921	35.73
41	63.90608687	35.09	63.9062075	35.71
42	63.92275513	35.09	63.92287579	35.73
43	63.93942338	35.09	63.93954407	35.71
44	63.95609164	35.09	63.95621236	35.73
45	63.97275989	35.09	63.97288064	35.73
46	63.98942815	35.09	63.98954893	35.73
47	64.0060964	35.09	64.00621721	35.73
48	64.02276465	35.09	64.0228855	35.71
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2	64.03943291	35.09	64.03955379	35.73
3	64.05610116	35.09	64.05622207	35.71
4	64.07276942	35.09	64.07289036	35.85
5	64.08943767	35.1	64.08955864	35.79
6	64.10610592	35.1	64.10622693	35.71
7	64.12277418	35.1	64.12289521	35.71
8	64.13944243	35.1	64.1395635	35.73
9	64.15611069	35.1	64.15623179	35.79
10	64.17277894	35.1	64.17290007	35.82
11	64.1894472	35.1	64.18956836	35.82
12	64.20611545	35.1	64.20623664	35.82
13	64.2227837	35.1	64.22290493	35.71
14	64.23945196	35.1	64.23957321	35.71
15	64.25612021	35.1	64.2562415	35.76
16	64.27278847	35.1	64.27290979	35.71
17	64.28945672	35.1	64.28957807	35.73
18	64.30612498	35.1	64.30624636	35.71
19	64.32279323	35.1	64.32291464	35.73
20	64.33946148	35.1	64.33958293	35.73
21	64.35612974	35.1	64.35625121	35.71
22	64.37279799	35.1	64.3729195	35.76
23	64.38946625	35.1	64.38958779	35.71
24	64.4061345	35.1	64.40625607	35.73
25	64.42280276	35.1	64.42292436	35.82
26	64.43947101	35.1	64.43959264	35.82
27	64.45613926	35.1	64.45626093	35.73
28	64.47280752	35.1	64.47292921	35.71
29	64.48947577	35.1	64.4895975	35.79
30	64.50614403	35.1	64.50626579	35.79
31	64.52281228	35.1	64.52293407	35.85
32	64.53948054	35.1	64.53960236	35.85
33	64.55614879	35.1	64.55627064	35.82
34	64.57281704	35.11	64.57293893	35.76
35	64.5894853	35.1	64.58960721	35.71
36	64.60615355	35.1	64.6062755	35.73
37	64.62282181	35.1	64.62294379	35.73
38	64.63949006	35.11	64.63961207	35.73
39	64.65615832	35.11	64.65628036	35.73
40	64.67282657	35.11	64.67294864	35.71
41	64.68949482	35.11	64.68961693	35.76
42	64.70616308	35.11	64.70628521	35.71
43	64.72283133	35.11	64.7229535	35.76
44	64.73949959	35.11	64.73962179	35.73
45	64.75616784	35.11	64.75629007	35.71
46	64.7728361	35.11	64.77295836	35.82
47	64.78950435	35.11	64.78962664	35.82
48	64.8061726	35.11	64.80629493	35.76
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3	64.83950911	35.11	64.8396315	35.85
4	64.85617737	35.11	64.85629979	35.79
5	64.87284562	35.11	64.87296807	35.65
6	64.88951388	35.11	64.88963636	35.82
7	64.90618213	35.11	64.90630464	35.85
8	64.92285038	35.11	64.92297293	35.73
9	64.93951864	35.11	64.93964121	35.73
10	64.95618689	35.11	64.9563095	35.73
11	64.97285515	35.11	64.97297779	35.71
12	64.9895234	35.11	64.98964607	35.73
13	65.00619166	35.11	65.00631436	35.71
14	65.02285991	35.11	65.02298264	35.76
15	65.03952816	35.11	65.03965093	35.73
16	65.05619642	35.11	65.05631922	35.73
17	65.07286467	35.11	65.0729875	35.73
18	65.08953293	35.11	65.08965579	35.73
19	65.10620118	35.11	65.10632407	35.73
20	65.12286944	35.11	65.12299236	35.85
21	65.13953769	35.11	65.13966064	35.85
22	65.15620594	35.11	65.15632893	35.82
23	65.1728742	35.11	65.17299722	35.76
24	65.18954245	35.11	65.1896655	35.73
25	65.20621071	35.11	65.20633379	35.96
26	65.22287896	35.11	65.22300207	35.79
27	65.23954722	35.11	65.23967036	35.85
28	65.25621547	35.11	65.25633864	35.82
29	65.27288372	35.11	65.27300693	35.85
30	65.28955198	35.11	65.28967522	35.73
31	65.30622023	35.11	65.3063435	35.73
32	65.32288849	35.11	65.32301179	35.73
33	65.33955674	35.11	65.33968007	35.76
34	65.356225	35.11	65.35634836	35.76
35	65.37289325	35.11	65.37301664	35.73
36	65.3895615	35.12	65.38968493	35.76
37	65.40622976	35.12	65.40635322	35.73
38	65.42289801	35.12	65.4230215	35.76
39	65.43956627	35.12	65.43968979	35.73
40	65.45623452	35.12	65.45635807	35.73
41	65.47290278	35.12	65.47302636	35.76
42	65.48957103	35.12	65.48969464	35.73
43	65.50623928	35.12	65.50636293	35.76
44	65.52290754	35.12	65.52303122	35.73
45	65.53957579	35.12	65.5396995	35.76
46	65.55624405	35.12	65.55636779	35.73
47	65.5729123	35.12	65.57303607	35.73
48	65.58958056	35.12	65.58970436	35.76
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3	65.62291706	35.12	65.62304093	35.76
4	65.63958532	35.12	65.63970922	35.73
5	65.65625357	35.12	65.6563775	35.76
6	65.67292183	35.12	65.67304579	35.73
7	65.68959008	35.12	65.68971407	35.76
8	65.70625833	35.12	65.70638236	35.73
9	65.72292659	35.12	65.72305064	35.76
10	65.73959484	35.12	65.73971893	35.79
11	65.7562631	35.12	65.75638722	35.85
12	65.77293135	35.12	65.7730555	35.82
13	65.78959961	35.12	65.78972379	35.85
14	65.80626786	35.12	65.80639207	35.82
15	65.82293611	35.12	65.82306036	35.85
16	65.83960437	35.12	65.83972864	35.82
17	65.85627262	35.12	65.85639693	35.91
18	65.87294088	35.12	65.87306522	35.65
19	65.88960913	35.12	65.8897335	35.82
20	65.90627739	35.12	65.90640179	35.73
21	65.92294564	35.12	65.92307007	35.76
22	65.93961389	35.13	65.93973836	35.73
23	65.95628215	35.13	65.95640664	35.76
24	65.9729504	35.13	65.97307493	35.73
25	65.98961866	35.13	65.98974322	35.76
26	66.00628691	35.13	66.0064115	35.73
27	66.02295517	35.13	66.02307979	35.76
28	66.03962342	35.13	66.03974807	35.73
29	66.05629167	35.13	66.05641636	35.76
30	66.07295993	35.13	66.07308464	35.76
31	66.08962818	35.13	66.08975293	35.73
32	66.10629644	35.13	66.10642122	35.76
33	66.12296469	35.13	66.1230895	35.73
34	66.13963295	35.13	66.13975779	35.76
35	66.1563012	35.13	66.15642607	35.76
36	66.17296945	35.13	66.17309436	35.73
37	66.18963771	35.13	66.18976264	35.76
38	66.20630596	35.13	66.20643093	35.73
39	66.22297422	35.13	66.22309922	35.76
40	66.23964247	35.13	66.2397675	35.76
41	66.25631073	35.13	66.25643579	35.73
42	66.27297898	35.13	66.27310407	35.76
43	66.28964723	35.13	66.28977236	35.73
44	66.30631549	35.13	66.30644065	35.76
45	66.32298374	35.13	66.32310893	35.76
46	66.339652	35.13	66.33977722	35.73
47	66.35632025	35.13	66.3564455	35.76
48	66.37298851	35.13	66.37311379	35.73
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2	66.38965676	35.13	66.38978207	35.76
3	66.40632501	35.13	66.40645036	35.73
4	66.42299327	35.13	66.42311865	35.76
5	66.43966152	35.13	66.43978693	35.73
6	66.45632978	35.13	66.45645522	35.76
7	66.47299803	35.13	66.4731235	35.73
8	66.48966629	35.13	66.48979179	35.76
9	66.50633454	35.13	66.50646007	35.76
10	66.52300279	35.13	66.52312836	35.76
11	66.53967105	35.13	66.53979665	35.76
12	66.5563393	35.13	66.55646493	35.82
13	66.57300756	35.13	66.57313322	35.85
14	66.58967581	35.13	66.5898015	35.85
15	66.60634407	35.13	66.60646979	35.85
16	66.62301232	35.13	66.62313807	35.85
17	66.63968057	35.13	66.63980636	35.88
18	66.65634883	35.14	66.65647465	35.82
19	66.67301708	35.14	66.67314293	35.85
20	66.68968534	35.14	66.68981122	35.85
21	66.70635359	35.14	66.7064795	35.85
22	66.72302185	35.14	66.72314779	35.88
23	66.7396901	35.14	66.73981607	35.85
24	66.75635835	35.14	66.75648436	35.85
25	66.77302661	35.14	66.77315265	35.85
26	66.78969486	35.14	66.78982093	35.85
27	66.80636312	35.14	66.80648922	35.85
28	66.82303137	35.14	66.8231575	35.76
29	66.83969963	35.14	66.83982579	35.73
30	66.85636788	35.14	66.85649407	35.76
31	66.87303613	35.14	66.87316236	35.76
32	66.88970439	35.14	66.88983065	35.79
33	66.90637264	35.14	66.90649893	35.73
34	66.9230409	35.14	66.92316722	35.76
35	66.93970915	35.14	66.9398355	35.76
36	66.95637741	35.14	66.95650379	35.76
37	66.97304566	35.14	66.97317207	35.79
38	66.98971391	35.14	66.98984036	35.73
39	67.00638217	35.14	67.00650865	35.79
40	67.02305042	35.14	67.02317693	35.76
41	67.03971868	35.14	67.03984522	35.76
42	67.05638693	35.14	67.0565135	35.76
43	67.07305519	35.14	67.07318179	35.76
44	67.08972344	35.15	67.08985007	35.79
45	67.10639169	35.15	67.10651836	35.76
46	67.12305995	35.15	67.12318665	35.79
47	67.1397282	35.15	67.13985493	35.73
48	67.15639646	35.15	67.15652322	35.76
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2	67.17306471	35.15	67.1731915	35.76
3	67.18973297	35.15	67.18985979	35.76
4	67.20640122	35.15	67.20652807	35.79
5	67.22306947	35.15	67.22319636	35.76
6	67.23973773	35.15	67.23986465	35.79
7	67.25640598	35.15	67.25653293	35.76
8	67.27307424	35.15	67.27320122	35.76
9	67.28974249	35.15	67.2898695	35.76
10	67.30641074	35.15	67.30653779	35.76
11	67.323079	35.15	67.32320607	35.79
12	67.33974725	35.15	67.33987436	35.76
13	67.35641551	35.15	67.35654265	35.79
14	67.37308376	35.15	67.37321093	35.76
15	67.38975202	35.15	67.38987922	35.76
16	67.40642027	35.15	67.4065475	35.79
17	67.42308852	35.15	67.42321579	35.76
18	67.43975678	35.15	67.43988407	35.79
19	67.45642503	35.15	67.45655236	35.76
20	67.47309329	35.16	67.47322065	35.76
21	67.48976154	35.15	67.48988893	35.79
22	67.5064298	35.15	67.50655722	35.76
23	67.52309805	35.15	67.5232255	35.79
24	67.5397663	35.16	67.53989379	35.94
25	67.55643456	35.16	67.55656207	35.88
26	67.57310281	35.16	67.57323036	35.88
27	67.58977107	35.15	67.58989865	35.88
28	67.60643932	35.15	67.60656693	35.91
29	67.62310758	35.15	67.62323522	35.85
30	67.63977583	35.15	67.6399035	35.76
31	67.65644408	35.16	67.65657179	35.88
32	67.67311234	35.16	67.67324008	35.88
33	67.68978059	35.15	67.68990836	35.91
34	67.70644885	35.15	67.70657665	35.88
35	67.7231171	35.15	67.72324493	35.91
36	67.73978536	35.15	67.73991322	35.94
37	67.75645361	35.15	67.7565815	35.79
38	67.77312186	35.15	67.77324979	35.82
39	67.78979012	35.15	67.78991808	35.76
40	67.80645837	35.15	67.80658636	35.82
41	67.82312663	35.15	67.82325465	35.79
42	67.83979488	35.15	67.83992293	35.79
43	67.85646314	35.15	67.85659122	35.82
44	67.87313139	35.15	67.8732595	35.85
45	67.88979964	35.15	67.88992779	35.91
46	67.9064679	35.15	67.90659608	35.88
47	67.92313615	35.15	67.92326436	35.88
48	67.93980441	35.15	67.93993265	35.94
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2	67.95647266	35.15	67.95660093	35.79
3	67.97314092	35.15	67.97326922	35.82
4	67.98980917	35.15	67.9899375	35.79
5	68.00647742	35.15	68.00660579	35.79
6	68.02314568	35.15	68.02327408	35.82
7	68.03981393	35.15	68.03994236	35.79
8	68.05648219	35.15	68.05661065	35.79
9	68.07315044	35.15	68.07327893	35.82
10	68.0898187	35.15	68.08994722	35.79
11	68.10648695	35.15	68.1066155	35.79
12	68.1231552	35.15	68.12328379	35.82
13	68.13982346	35.15	68.13995208	35.79
14	68.15649171	35.15	68.15662036	35.82
15	68.17315997	35.15	68.17328865	35.79
16	68.18982822	35.15	68.18995693	35.82
17	68.20649648	35.15	68.20662522	35.79
18	68.22316473	35.15	68.2232935	35.82
19	68.23983298	35.15	68.23996179	35.79
20	68.25650124	35.15	68.25663008	35.82
21	68.27316949	35.15	68.27329836	35.79
22	68.28983775	35.15	68.28996665	35.82
23	68.306506	35.15	68.30663493	35.79
24	68.32317426	35.15	68.32330322	35.82
25	68.33984251	35.15	68.3399715	35.79
26	68.35651076	35.15	68.35663979	35.96
27	68.37317902	35.15	68.37330808	35.91
28	68.38984727	35.15	68.38997636	35.91
29	68.40651553	35.15	68.40664465	35.91
30	68.42318378	35.15	68.42331293	35.71
31	68.43985204	35.15	68.43998122	35.94
32	68.45652029	35.15	68.4566495	35.88
33	68.47318854	35.15	68.47331779	35.94
34	68.4898568	35.15	68.48998608	35.99
35	68.50652505	35.15	68.50665436	35.82
36	68.52319331	35.15	68.52332265	35.82
37	68.53986156	35.15	68.53999093	35.79
38	68.55652982	35.15	68.55665922	35.91
39	68.57319807	35.15	68.5733275	35.88
40	68.58986632	35.15	68.58999579	35.91
41	68.60653458	35.15	68.60666408	35.88
42	68.62320283	35.15	68.62333236	35.76
43	68.63987109	35.15	68.64000065	35.82
44	68.65653934	35.15	68.65666893	35.79
45	68.6732076	35.15	68.67333722	35.82
46	68.68987585	35.15	68.6900055	35.82
47	68.7065441	35.15	68.70667379	35.79
48	68.72321236	35.15	68.72334208	35.82
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3	68.75654887	35.15	68.75667865	35.82
4	68.77321712	35.15	68.77334693	35.79
5	68.78988537	35.15	68.79001522	35.82
6	68.80655363	35.15	68.8066835	35.82
7	68.82322188	35.15	68.82335179	35.82
8	68.83989014	35.15	68.84002008	35.82
9	68.85655839	35.15	68.85668836	35.79
10	68.87322665	35.15	68.87335665	35.82
11	68.8898949	35.15	68.89002493	35.79
12	68.90656315	35.15	68.90669322	35.85
13	68.92323141	35.15	68.92336151	35.82
14	68.93989966	35.16	68.94002979	35.68
15	68.95656792	35.16	68.95669808	35.94
16	68.97323617	35.16	68.97336636	35.91
17	68.98990443	35.16	68.99003465	35.94
18	69.00657268	35.16	69.00670293	35.88
19	69.02324093	35.16	69.02337122	35.94
20	69.03990919	35.16	69.04003951	35.94
21	69.05657744	35.16	69.05670779	35.85
22	69.0732457	35.16	69.07337608	35.85
23	69.08991395	35.16	69.09004436	35.79
24	69.10658221	35.16	69.10671265	35.85
25	69.12325046	35.16	69.12338093	35.91
26	69.13991871	35.16	69.14004922	35.94
27	69.15658697	35.16	69.15671751	35.88
28	69.17325522	35.16	69.17338579	35.85
29	69.18992348	35.16	69.19005408	35.82
30	69.20659173	35.16	69.20672236	35.82
31	69.22325999	35.16	69.22339065	35.82
32	69.23992824	35.16	69.24005893	35.82
33	69.25659649	35.16	69.25672722	35.85
34	69.27326475	35.16	69.27339551	35.82
35	69.289933	35.16	69.29006379	35.85
36	69.30660126	35.16	69.30673208	35.79
37	69.32326951	35.16	69.32340036	35.85
38	69.33993777	35.16	69.34006865	35.82
39	69.35660602	35.16	69.35673693	35.82
40	69.37327427	35.16	69.37340522	35.85
41	69.38994253	35.16	69.39007351	35.82
42	69.40661078	35.16	69.40674179	35.85
43	69.42327904	35.16	69.42341008	35.82
44	69.43994729	35.16	69.44007836	35.82
45	69.45661555	35.16	69.45674665	35.85
46	69.4732838	35.16	69.47341493	35.91
47	69.48995205	35.16	69.49008322	35.94
48	69.50662031	35.16	69.50675151	35.91
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2	69.52328856	35.16	69.52341979	35.94
3	69.53995682	35.16	69.54008808	35.94
4	69.55662507	35.17	69.55675636	35.91
5	69.57329333	35.16	69.57342465	35.85
6	69.58996158	35.17	69.59009293	35.79
7	69.60662983	35.17	69.60676122	35.85
8	69.62329809	35.17	69.62342951	35.85
9	69.63996634	35.17	69.64009779	35.94
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11	69.6566346	35.17	69.65676608	35.91
12	69.67330285	35.17	69.67343436	35.94
13	69.68997111	35.17	69.69010265	35.82
14	69.70663936	35.17	69.70677093	35.82
15	69.72330761	35.17	69.72343922	35.82
16	69.73997587	35.17	69.74010751	35.85
17	69.75664412	35.17	69.75677579	35.85
18	69.77331238	35.18	69.77344408	35.82
19	69.78998063	35.18	69.79011236	35.85
20	69.80664889	35.18	69.80678065	35.82
21	69.82331714	35.18	69.82344893	35.85
22	69.83998539	35.18	69.84011722	35.82
23	69.85665365	35.18	69.85678551	35.82
24	69.8733219	35.18	69.87345379	35.82
25	69.88999016	35.18	69.89012208	35.82
26	69.90665841	35.18	69.90679036	35.85
27	69.92332667	35.18	69.92345865	35.82
28	69.93999492	35.18	69.94012693	35.85
29	69.95666317	35.19	69.95679522	35.94
30	69.97333143	35.19	69.97346351	35.94
31	69.98999968	35.19	69.99013179	35.94
32	70.00666794	35.19	70.00680008	35.91
33	70.02333619	35.19	70.02346836	35.96
34	70.04000445	35.19	70.04013665	35.94
35	70.0566727	35.19	70.05680493	35.85
36	70.07334095	35.19	70.07347322	35.85
37	70.09000921	35.19	70.09014151	35.82
38	70.10667746	35.19	70.10680979	35.79
39	70.12334572	35.19	70.12347808	35.91
40	70.14001397	35.19	70.14014636	35.94
41	70.15668223	35.19	70.15681465	35.88
42	70.17335048	35.19	70.17348294	35.82
43	70.19001873	35.19	70.19015122	35.85
44	70.20668699	35.19	70.20681951	35.85
45	70.22335524	35.19	70.22348779	35.82
46	70.2400235	35.19	70.24015608	35.82
47	70.25669175	35.19	70.25682436	35.85
48	70.27336001	35.19	70.27349265	35.82
49	70.29002826	35.19	70.29016094	35.82
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2	70.30669651	35.2	70.30682922	35.85
3	70.32336477	35.19	70.32349751	35.82
4	70.34003302	35.2	70.34016579	35.85
5	70.35670128	35.2	70.35683408	35.82
6	70.37336953	35.2	70.37350236	35.82
7	70.39003778	35.2	70.39017065	35.85
8	70.40670604	35.2	70.40683894	35.82
9	70.42337429	35.2	70.42350722	35.94
10	70.44004255	35.2	70.44017551	35.94
11	70.4567108	35.2	70.45684379	35.91
12	70.47337906	35.2	70.47351208	35.96
13	70.49004731	35.2	70.49018036	35.91
14	70.50671556	35.2	70.50684865	35.85
15	70.52338382	35.2	70.52351694	35.85
16	70.54005207	35.2	70.54018522	35.82
17	70.55672033	35.2	70.55685351	35.94
18	70.57338858	35.2	70.57352179	35.91
19	70.59005684	35.2	70.59019008	35.94
20	70.60672509	35.2	70.60685836	35.85
21	70.62339334	35.2	70.62352665	35.82
22	70.6400616	35.2	70.64019494	35.85
23	70.65672985	35.2	70.65686322	35.82
24	70.67339811	35.2	70.67353151	35.88
25	70.69006636	35.2	70.69019979	35.82
26	70.70673462	35.2	70.70686808	35.85
27	70.72340287	35.2	70.72353636	35.85
28	70.74007112	35.2	70.74020465	35.85
29	70.75673938	35.2	70.75687294	35.85
30	70.77340763	35.2	70.77354122	35.85
31	70.79007589	35.2	70.79020951	35.85
32	70.80674414	35.2	70.80687779	35.85
33	70.8234124	35.2	70.82354608	35.88
34	70.84008065	35.2	70.84021436	35.82
35	70.8567489	35.2	70.85688265	35.88
36	70.87341716	35.2	70.87355094	35.82
37	70.89008541	35.2	70.89021922	35.88
38	70.90675367	35.21	70.90688751	35.85
39	70.92342192	35.21	70.92355579	35.88
40	70.94009018	35.21	70.94022408	35.82
41	70.95675843	35.21	70.95689236	35.88
42	70.97342668	35.21	70.97356065	35.82
43	70.99009494	35.21	70.99022894	36.02
44	71.00676319	35.21	71.00689722	35.94
45	71.02343145	35.21	71.02356551	35.85
46	71.0400997	35.21	71.04023379	35.94
47	71.05676796	35.21	71.05690208	35.96
48	71.07343621	35.21	71.07357036	35.88
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2	71.09010446	35.21	71.09023865	35.85
3	71.10677272	35.21	71.10690694	35.85
4	71.12344097	35.21	71.12357522	35.85
5	71.14010923	35.21	71.14024351	35.88
6	71.15677748	35.21	71.15691179	35.82
7	71.17344574	35.21	71.17358008	35.88
8	71.19011399	35.21	71.19024836	35.96
9	71.20678224	35.21	71.20691665	35.82
10	71.2234505	35.21	71.22358494	35.96
11	71.24011875	35.21	71.24025322	35.88
12	71.25678701	35.21	71.25692151	35.85
13	71.27345526	35.21	71.27358979	35.88
14	71.29012352	35.21	71.29025808	35.85
15	71.30679177	35.21	71.30692636	35.88
16	71.32346002	35.21	71.32359465	35.85
17	71.34012828	35.21	71.34026294	35.94
18	71.35679653	35.21	71.35693122	35.88
19	71.37346479	35.21	71.37359951	35.96
20	71.39013304	35.21	71.39026779	35.91
21	71.4068013	35.21	71.40693608	35.91
22	71.42346955	35.21	71.42360437	35.85
23	71.4401378	35.21	71.44027265	35.88
24	71.45680606	35.21	71.45694094	35.88
25	71.47347431	35.21	71.47360922	35.85
26	71.49014257	35.21	71.49027751	35.99
27	71.50681082	35.21	71.50694579	35.91
28	71.52347908	35.21	71.52361408	35.85
29	71.54014733	35.21	71.54028237	35.91
30	71.55681558	35.21	71.55695065	35.85
31	71.57348384	35.21	71.57361894	36.05
32	71.59015209	35.21	71.59028722	35.85
33	71.60682035	35.21	71.60695551	35.99
34	71.6234886	35.21	71.62362379	35.85
35	71.64015686	35.21	71.64029208	35.88
36	71.65682511	35.21	71.65696037	35.88
37	71.67349336	35.21	71.67362865	35.85
38	71.69016162	35.21	71.69029694	35.96
39	71.70682987	35.21	71.70696522	35.96
40	71.72349813	35.21	71.72363351	35.94
41	71.74016638	35.21	71.74030179	35.85
42	71.75683464	35.21	71.75697008	35.88
43	71.77350289	35.21	71.77363837	35.85
44	71.79017114	35.21	71.79030665	35.96
45	71.8068394	35.21	71.80697494	35.88
46	71.82350765	35.21	71.82364322	35.88
47	71.84017591	35.21	71.84031151	35.91
48	71.85684416	35.21	71.85697979	35.88
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2	71.87351242	35.21	71.87364808	35.88
3	71.89018067	35.21	71.89031637	35.99
4	71.90684892	35.21	71.90698465	35.85
5	71.92351718	35.21	71.92365294	35.94
6	71.94018543	35.21	71.94032122	35.88
7	71.95685369	35.21	71.95698951	35.88
8	71.97352194	35.21	71.97365779	35.88
9	71.99019019	35.21	71.99032608	35.94
10	72.00685845	35.21	72.00699437	35.91
11	72.0235267	35.21	72.02366265	35.91
12	72.04019496	35.21	72.04033094	35.88
13	72.05686321	35.21	72.05699922	35.88
14	72.07353147	35.21	72.07366751	35.85
15	72.09019972	35.21	72.09033579	35.99
16	72.10686797	35.21	72.10700408	35.94
17	72.12353623	35.21	72.12367237	35.94
18	72.14020448	35.21	72.14034065	35.88
19	72.15687274	35.21	72.15700894	35.88
20	72.17354099	35.21	72.17367722	35.88
21	72.19020925	35.21	72.19034551	35.94
22	72.2068775	35.21	72.20701379	35.99
23	72.22354575	35.21	72.22368208	35.85
24	72.24021401	35.21	72.24035037	35.91
25	72.25688226	35.21	72.25701865	35.88
26	72.27355052	35.21	72.27368694	35.96
27	72.29021877	35.21	72.29035522	35.85
28	72.30688703	35.21	72.30702351	35.94
29	72.32355528	35.21	72.32369179	35.85
30	72.34022353	35.21	72.34036008	35.91
31	72.35689179	35.21	72.35702837	35.85
32	72.37356004	35.22	72.37369665	35.99
33	72.3902283	35.21	72.39036494	35.96
34	72.40689655	35.22	72.40703322	35.96
35	72.42356481	35.21	72.42370151	35.88
36	72.44023306	35.21	72.44036979	35.91
37	72.45690131	35.21	72.45703808	35.88
38	72.47356957	35.21	72.47370637	35.88
39	72.49023782	35.21	72.49037465	35.91
40	72.50690608	35.21	72.50704294	35.88
41	72.52357433	35.21	72.52371122	35.91
42	72.54024259	35.21	72.54037951	35.88
43	72.55691084	35.21	72.55704779	36.05
44	72.57357909	35.21	72.57371608	35.96
45	72.59024735	35.21	72.59038437	35.88
46	72.6069156	35.21	72.60705265	35.91
47	72.62358386	35.21	72.62372094	35.88
48	72.64025211	35.21	72.64038922	35.99
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2	72.65692037	35.21	72.65705751	35.96
3	72.67358862	35.21	72.67372579	35.91
4	72.69025687	35.21	72.69039408	35.91
5	72.70692513	35.21	72.70706237	35.88
6	72.72359338	35.21	72.72373065	35.88
7	72.74026164	35.21	72.74039894	35.91
8	72.75692989	35.21	72.75706722	35.94
9	72.77359815	35.21	72.77373551	35.88
10	72.7902664	35.21	72.7904038	35.91
11	72.80693465	35.21	72.80707208	35.88
12	72.82360291	35.21	72.82374037	35.85
13	72.84027116	35.21	72.84040865	36.02
14	72.85693942	35.21	72.85707694	35.88
15	72.87360767	35.2	72.87374522	35.88
16	72.89027593	35.2	72.89041351	35.91
17	72.90694418	35.2	72.9070818	35.96
18	72.92361243	35.2	72.92375008	36.02
19	72.94028069	35.2	72.94041837	35.88
20	72.95694894	35.2	72.95708665	35.91
21	72.9736172	35.2	72.97375494	35.88
22	72.99028545	35.2	72.99042322	35.96
23	73.00695371	35.2	73.00709151	35.99
24	73.02362196	35.2	73.0237598	35.91
25	73.04029021	35.2	73.04042808	35.91
26	73.05695847	35.2	73.05709637	35.88
27	73.07362672	35.2	73.07376465	35.99
28	73.09029498	35.2	73.09043294	35.88
29	73.10696323	35.2	73.10710122	35.91
30	73.12363149	35.2	73.12376951	35.91
31	73.14029974	35.2	73.1404378	35.88
32	73.15696799	35.2	73.15710608	35.96
33	73.17363625	35.2	73.17377437	35.91
34	73.1903045	35.2	73.19044265	35.91
35	73.20697276	35.2	73.20711094	35.91
36	73.22364101	35.2	73.22377922	35.88
37	73.24030927	35.2	73.24044751	36.08
38	73.25697752	35.2	73.25711158	35.94
39	73.27364577	35.2	73.27378408	35.91
40	73.29031403	35.2	73.29045237	35.91
41	73.30698228	35.2	73.30712065	35.91
42	73.32365054	35.2	73.32378894	35.88
43	73.34031879	35.2	73.34045722	35.91
44	73.35698705	35.2	73.35712551	35.94
45	73.3736553	35.2	73.3737938	35.88
46	73.39032355	35.2	73.39046208	35.91
47	73.40699181	35.21	73.40713037	36.08
48	73.42366006	35.21	73.42379865	35.91
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2	73.44032832	35.21	73.44046694	35.94
3	73.45699657	35.21	73.45713522	35.88
4	73.47366483	35.21	73.47380351	35.94
5	73.49033308	35.21	73.4904718	35.96
6	73.50700133	35.21	73.50714008	35.96
7	73.52366959	35.21	73.52380837	35.91
8	73.54033784	35.21	73.54047665	35.91
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10	73.5570061	35.21	73.55714494	35.91
11	73.57367435	35.21	73.57381322	35.96
12	73.5903426	35.21	73.59048151	36.02
13				
14	73.60701086	35.21	73.6071498	35.88
15	73.62367911	35.21	73.62381808	35.91
16	73.64034737	35.21	73.64048637	35.91
17	73.65701562	35.21	73.65715465	35.96
18	73.67368388	35.21	73.67382294	36.02
19	73.69035213	35.21	73.69049122	35.88
20	73.70702038	35.21	73.70715951	35.91
21				
22	73.72368864	35.21	73.7238278	35.91
23	73.74035689	35.21	73.74049608	35.96
24	73.75702515	35.21	73.75716437	36.02
25	73.7736934	35.21	73.77383265	35.88
26	73.79036166	35.21	73.79050094	35.94
27	73.80702991	35.22	73.80716922	35.88
28	73.82369816	35.22	73.82383751	35.91
29	73.84036642	35.22	73.8405058	35.91
30	73.85703467	35.22	73.85717408	35.91
31	73.87370293	35.22	73.87384237	35.91
32	73.89037118	35.22	73.89051065	35.91
33	73.90703944	35.22	73.90717894	35.91
34	73.92370769	35.22	73.92384722	35.91
35	73.94037594	35.22	73.94051551	35.91
36	73.9570442	35.22	73.9571838	35.88
37	73.97371245	35.22	73.97385208	36.02
38	73.99038071	35.22	73.99052037	36.02
39	74.00704896	35.22	74.00718865	35.94
40	74.02371722	35.22	74.02385694	35.88
41	74.04038547	35.22	74.04052523	35.91
42	74.05705372	35.22	74.05719351	35.99
43	74.07372198	35.22	74.0738618	36.02
44	74.09039023	35.22	74.09053008	35.91
45	74.10705849	35.22	74.10719837	35.88
46	74.12372674	35.22	74.12386665	35.94
47	74.140395	35.22	74.14053494	35.88
48	74.15706325	35.22	74.15720323	35.99
49	74.1737315	35.22	74.17387151	35.91
50	74.19039976	35.22	74.1905398	35.94
51	74.20706801	35.22	74.20720808	35.88
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2	74.22373627	35.22	74.22387637	35.91
3	74.24040452	35.22	74.24054465	35.94
4	74.25707278	35.22	74.25721294	35.91
5	74.27374103	35.22	74.27388123	35.94
6	74.29040928	35.22	74.29054951	35.96
7	74.30707754	35.22	74.3072178	36.02
8	74.32374579	35.23	74.32388608	35.91
9	74.34041405	35.23	74.34055437	35.91
10	74.3570823	35.23	74.35722265	35.91
11	74.37375056	35.23	74.37389094	35.94
12	74.39041881	35.23	74.39055923	36.02
13	74.40708706	35.23	74.40722751	35.88
14	74.42375532	35.23	74.4238958	35.91
15	74.44042357	35.23	74.44056408	35.91
16	74.45709183	35.23	74.45723237	35.91
17	74.47376008	35.23	74.47390065	35.96
18	74.49042834	35.23	74.49056894	35.91
19	74.50709659	35.23	74.50723723	35.94
20	74.52376484	35.23	74.52390551	35.99
21	74.5404331	35.23	74.5405738	36.02
22	74.55710135	35.23	74.55724208	35.94
23	74.57376961	35.23	74.57391037	35.91
24	74.59043786	35.23	74.59057865	35.94
25	74.60710612	35.23	74.60724694	35.88
26	74.62377437	35.23	74.62391523	35.88
27	74.64044262	35.23	74.64058351	35.94
28	74.65711088	35.23	74.6572518	35.91
29	74.67377913	35.24	74.67392008	35.88
30	74.69044739	35.24	74.69058837	35.91
31	74.70711564	35.24	74.70725665	35.96
32	74.7237839	35.24	74.72392494	35.91
33	74.74045215	35.24	74.74059323	35.91
34	74.7571204	35.24	74.75726151	36.02
35	74.77378866	35.24	74.7739298	35.99
36	74.79045691	35.24	74.79059808	35.94
37	74.80712517	35.24	74.80726637	35.91
38	74.82379342	35.24	74.82393465	35.91
39	74.84046168	35.24	74.84060294	35.91
40	74.85712993	35.24	74.85727123	35.94
41	74.87379818	35.24	74.87393951	35.94
42	74.89046644	35.24	74.8906078	35.91
43	74.90713469	35.24	74.90727608	36.02
44	74.92380295	35.24	74.92394437	36.02
45	74.9404712	35.24	74.94061265	35.94
46	74.95713946	35.24	74.95728094	35.94
47	74.97380771	35.24	74.97394923	35.91
48	74.99047596	35.24	74.99061751	35.94
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2	75.00714422	35.24	75.0072858	35.94
3	75.02381247	35.24	75.02395408	35.94
4	75.04048073	35.24	75.04062237	35.94
5	75.05714898	35.24	75.05729065	35.99
6	75.07381724	35.24	75.07395894	36.05
7	75.09048549	35.24	75.09062723	35.91
8	75.10715374	35.24	75.10729551	35.94
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10	75.123822	35.24	75.1239638	35.94
11	75.14049025	35.24	75.14063208	35.91
12	75.15715851	35.24	75.15730037	35.99
13	75.17382676	35.24	75.17396865	35.91
14	75.19049501	35.24	75.19063694	35.94
15	75.20716327	35.24	75.20730523	36.02
16	75.22383152	35.24	75.22397351	36.02
17	75.24049978	35.24	75.2406418	35.94
18	75.25716803	35.24	75.25731008	35.91
19	75.27383629	35.24	75.27397837	35.94
20	75.29050454	35.24	75.29064666	35.91
21	75.30717279	35.24	75.30731494	35.96
22	75.32384105	35.24	75.32398323	35.94
23	75.3405093	35.24	75.34065151	35.91
24	75.35717756	35.24	75.3573198	36.02
25	75.37384581	35.24	75.37398808	36.02
26	75.39051407	35.24	75.39065637	35.94
27	75.40718232	35.24	75.40732466	35.91
28	75.42385057	35.24	75.42399294	35.94
29	75.44051883	35.24	75.44066123	35.91
30	75.45718708	35.24	75.45732951	35.96
31	75.47385534	35.24	75.4739978	35.91
32	75.49052359	35.24	75.49066608	35.94
33	75.50719185	35.24	75.50733437	35.99
34	75.5238601	35.24	75.52400266	36.05
35	75.54052835	35.24	75.54067094	35.91
36	75.55719661	35.24	75.55733923	35.94
37	75.57386486	35.24	75.57400751	35.91
38	75.59053312	35.24	75.5906758	35.94
39	75.60720137	35.24	75.60734408	35.96
40	75.62386963	35.24	75.62401237	35.91
41	75.64053788	35.24	75.64068066	35.94
42	75.65720613	35.24	75.65734894	36.02
43	75.67387439	35.24	75.67401723	35.99
44	75.69054264	35.24	75.69068551	35.94
45	75.7072109	35.24	75.7073538	35.91
46	75.72387915	35.24	75.72402208	35.94
47	75.74054741	35.25	75.74069037	35.94
48	75.75721566	35.25	75.75735866	35.96
49	75.77388391	35.24	75.77402694	35.96
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2	75.79055217	35.25	75.79069523	35.91
3	75.80722042	35.25	75.80736351	36.02
4	75.82388868	35.25	75.8240318	36.05
5	75.84055693	35.25	75.84070008	35.94
6	75.85722519	35.25	75.85736837	35.91
7	75.87389344	35.25	75.87403666	36.02
8	75.89056169	35.25	75.89070494	36.02
9	75.90722995	35.25	75.90737323	35.94
10	75.9238982	35.25	75.92404151	35.91
11	75.94056646	35.25	75.9407098	35.94
12	75.95723471	35.25	75.95737808	35.94
13	75.97390297	35.25	75.97404637	35.94
14	75.99057122	35.25	75.99071466	35.94
15	76.00723947	35.25	76.00738294	35.91
16	76.02390773	35.25	76.02405123	36.02
17	76.04057598	35.25	76.04071951	36.02
18	76.05724424	35.25	76.0573878	35.94
19	76.07391249	35.25	76.07405608	35.94
20	76.09058075	35.25	76.09072437	35.91
21	76.107249	35.25	76.10739266	35.96
22	76.12391725	35.25	76.12406094	35.96
23	76.14058551	35.25	76.14072923	35.94
24	76.15725376	35.25	76.15739751	35.94
25	76.17392202	35.25	76.1740658	35.91
26	76.19059027	35.25	76.19073408	35.99
27	76.20725853	35.25	76.20740237	35.94
28	76.22392678	35.25	76.22407066	35.91
29	76.24059503	35.25	76.24073894	36.05
30	76.25726329	35.25	76.25740723	35.99
31	76.27393154	35.25	76.27407551	35.94
32	76.2905998	35.25	76.2907438	35.94
33	76.30726805	35.25	76.30741208	35.91
34	76.32393631	35.25	76.32408037	35.96
35	76.34060456	35.25	76.34074866	35.96
36	76.35727281	35.25	76.35741694	35.96
37	76.37394107	35.25	76.37408523	35.94
38	76.39060932	35.25	76.39075351	35.94
39	76.40727758	35.25	76.4074218	35.99
40	76.42394583	35.25	76.42409008	35.91
41	76.44061409	35.25	76.44075837	35.94
42	76.45728234	35.25	76.45742666	35.99
43	76.47395059	35.25	76.47409494	36.02
44	76.49061885	35.25	76.49076323	35.96
45	76.5072871	35.25	76.50743151	35.91
46	76.52395536	35.25	76.5240998	35.94
47	76.54062361	35.25	76.54076808	35.96
48	76.55729187	35.25	76.55743637	35.94
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2	76.57396012	35.25	76.57410466	35.94
3	76.59062837	35.25	76.59077294	35.91
4	76.60729663	35.25	76.60744123	35.94
5	76.62396488	35.25	76.62410951	35.96
6	76.64063314	35.25	76.6407778	35.94
7	76.65730139	35.25	76.65744609	35.94
8	76.67396965	35.25	76.67411437	36.02
9	76.6906379	35.25	76.69078266	36.05
10	76.70730615	35.25	76.70745094	35.94
11	76.72397441	35.25	76.72411923	35.94
12	76.74064266	35.25	76.74078751	35.99
13	76.75731092	35.25	76.7574558	36.05
14	76.77397917	35.25	76.77412409	35.94
15	76.79064742	35.25	76.79079237	35.94
16	76.80731568	35.25	76.80746066	35.94
17	76.82398393	35.25	76.82412894	35.94
18	76.84065219	35.25	76.84079723	35.99
19	76.85732044	35.25	76.85746551	35.91
20	76.8739887	35.25	76.8741338	35.96
21	76.89065695	35.25	76.89080209	35.94
22	76.9073252	35.25	76.90747037	35.96
23	76.92399346	35.25	76.92413866	35.94
24	76.94066171	35.25	76.94080694	35.94
25	76.95732997	35.25	76.95747523	36.05
26	76.97399822	35.25	76.97414351	36.02
27	76.99066648	35.25	76.9908118	35.96
28	77.00733473	35.25	77.00748009	35.94
29	77.02400298	35.25	77.02414837	35.96
30	77.04067124	35.25	77.04081666	36.17
31	77.05733949	35.25	77.05748494	35.96
32	77.07400775	35.25	77.07415323	35.96
33	77.090676	35.25	77.09082151	35.91
34	77.10734426	35.25	77.1074898	35.96
35	77.12401251	35.25	77.12415809	35.96
36	77.14068076	35.25	77.14082637	35.94
37	77.15734902	35.25	77.15749466	35.94
38	77.17401727	35.25	77.17416294	36.02
39	77.19068553	35.25	77.19083123	36.05
40	77.20735378	35.25	77.20749951	35.94
41	77.22402204	35.25	77.2241678	35.94
42	77.24069029	35.25	77.24083609	36.05
43	77.25735854	35.25	77.25750437	36.02
44	77.2740268	35.25	77.27417266	35.96
45	77.29069505	35.25	77.29084094	35.94
46	77.30736331	35.25	77.30750923	35.94
47	77.32403156	35.25	77.32417751	35.96
48	77.34069982	35.25	77.3408458	35.94
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2	77.35736807	35.25	77.35751409	35.96
3	77.37403632	35.25	77.37418237	35.94
4	77.39070458	35.25	77.39085066	35.96
5	77.40737283	35.25	77.40751894	35.96
6	77.42404109	35.25	77.42418723	35.94
7	77.44070934	35.25	77.44085551	35.96
8	77.4573776	35.25	77.4575238	36.02
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10	77.47404585	35.25	77.47419209	36.05
11	77.4907141	35.25	77.49086037	35.94
12	77.50738236	35.25	77.50752866	35.96
13	77.52405061	35.25	77.52419694	36.02
14	77.54071887	35.25	77.54086523	36.08
15	77.55738712	35.25	77.55753351	35.94
16	77.57405538	35.25	77.5742018	35.94
17	77.59072363	35.25	77.59087009	35.94
18	77.60739188	35.25	77.60753837	35.88
19	77.62406014	35.25	77.62420666	35.94
20	77.64072839	35.25	77.64087494	35.91
21	77.65739665	35.25	77.65754323	35.96
22	77.6740649	35.25	77.67421151	35.94
23	77.69073316	35.25	77.6908798	35.99
24	77.70740141	35.25	77.70754809	35.94
25	77.72406966	35.25	77.72421637	35.94
26	77.74073792	35.25	77.74088466	35.96
27	77.75740617	35.25	77.75755294	35.96
28	77.77407443	35.25	77.77422123	35.96
29	77.79074268	35.25	77.79088951	35.94
30	77.80741094	35.25	77.8075578	36.05
31	77.82407919	35.25	77.82422609	35.96
32	77.84074744	35.25	77.84089437	35.96
33	77.8574157	35.25	77.85756266	35.96
34	77.87408395	35.25	77.87423094	36.02
35	77.89075221	35.25	77.89089923	36.05
36	77.90742046	35.25	77.90756752	35.96
37	77.92408872	35.25	77.9242358	35.94
38	77.94075697	35.25	77.94090409	36.05
39	77.95742522	35.25	77.95757237	36.05
40	77.97409348	35.25	77.97424066	35.94
41	77.99076173	35.25	77.99090894	35.96
42	78.00742999	35.25	78.00757723	35.94
43	78.02409824	35.25	78.02424552	35.91
44	78.0407665	35.25	78.0409138	35.94
45	78.05743475	35.25	78.05758209	35.94
46	78.074103	35.25	78.07425037	35.96
47	78.09077126	35.25	78.09091866	35.94
48	78.10743951	35.25	78.10758694	36.02
49	78.12410777	35.25	78.12425523	35.94
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2	78.14077602	35.25	78.14092352	35.96
3	78.15744428	35.25	78.1575918	35.96
4	78.17411253	35.25	78.17426009	35.99
5	78.19078078	35.25	78.19092837	35.96
6	78.20744904	35.25	78.20759666	35.94
7	78.22411729	35.25	78.22426494	36.02
8	78.24078555	35.25	78.24093323	35.96
9	78.2574538	35.25	78.25760152	35.96
10	78.27412205	35.25	78.2742698	35.96
11	78.29079031	35.25	78.29093809	36.05
12	78.30745856	35.25	78.30760637	36.05
13	78.32412682	35.25	78.32427466	35.94
14	78.34079507	35.25	78.34094294	35.96
15	78.35746333	35.25	78.35761123	36.02
16	78.37413158	35.25	78.37427952	36.08
17	78.39079983	35.25	78.3909478	35.94
18	78.40746809	35.25	78.40761609	35.94
19	78.42413634	35.25	78.42428437	36.05
20	78.4408046	35.26	78.44095266	36.05
21	78.45747285	35.26	78.45762094	35.96
22	78.47414111	35.26	78.47428923	35.94
23	78.49080936	35.26	78.49095752	35.96
24	78.50747761	35.26	78.5076258	36.08
25	78.52414587	35.26	78.52429409	35.94
26	78.54081412	35.26	78.54096237	35.94
27	78.55748238	35.26	78.55763066	35.96
28	78.57415063	35.26	78.57429894	35.94
29	78.59081889	35.26	78.59096723	35.99
30	78.60748714	35.26	78.60763552	35.94
31	78.62415539	35.26	78.6243038	35.94
32	78.64082365	35.26	78.64097209	35.96
33	78.6574919	35.26	78.65764037	35.96
34	78.67416016	35.26	78.67430866	35.96
35	78.69082841	35.26	78.69097694	35.96
36	78.70749667	35.26	78.70764523	35.96
37	78.72416492	35.26	78.72431352	35.99
38	78.74083317	35.26	78.7409818	35.96
39	78.75750143	35.26	78.75765009	35.96
40	78.77416968	35.26	78.77431837	35.94
41	78.79083794	35.26	78.79098666	36.02
42	78.80750619	35.26	78.80765494	35.94
43	78.82417445	35.26	78.82432323	35.96
44	78.8408427	35.26	78.84099152	35.88
45	78.85751095	35.26	78.8576598	35.99
46	78.87417921	35.26	78.87432809	35.96
47	78.89084746	35.26	78.89099637	35.94
48	78.90751572	35.26	78.90766466	36.05
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2	78.92418397	35.26	78.92433294	35.96
3	78.94085223	35.26	78.94100123	35.96
4	78.95752048	35.27	78.95766952	35.96
5	78.97418873	35.27	78.97433378	36.02
6	78.99085699	35.27	78.99100609	35.91
7	79.00752524	35.26	79.00767437	35.94
8	79.0241935	35.27	79.02434266	35.96
9	79.04086175	35.27	79.04101094	36.05
10	79.05753001	35.27	79.05767923	36.08
11	79.07419826	35.27	79.07434752	35.96
12	79.09086651	35.27	79.0910158	35.94
13	79.10753477	35.27	79.10768409	35.99
14	79.12420302	35.27	79.12435237	35.94
15	79.14087128	35.27	79.14102066	36.08
16	79.15753953	35.27	79.15768895	35.94
17	79.17420779	35.27	79.17435723	35.96
18	79.19087604	35.27	79.19102552	35.96
19	79.20754429	35.27	79.2076938	35.94
20	79.22421255	35.27	79.22436209	36.05
21	79.2408808	35.27	79.24103037	36.05
22	79.25754906	35.27	79.25769866	35.96
23	79.27421731	35.27	79.27436695	35.96
24	79.29088557	35.27	79.29103523	35.96
25	79.30755382	35.27	79.30770352	36.08
26	79.32422207	35.27	79.3243718	36.05
27	79.34089033	35.27	79.34104009	35.99
28	79.35755858	35.27	79.35770837	35.94
29	79.37422684	35.27	79.37437666	35.99
30	79.39089509	35.27	79.39104495	35.94
31	79.40756335	35.27	79.40771323	35.99
32	79.4242316	35.27	79.42438152	35.96
33	79.44089985	35.27	79.4410498	35.96
34	79.45756811	35.27	79.45771809	36.05
35	79.47423636	35.27	79.47438637	36.17
36	79.49090462	35.27	79.49105466	36.08
37	79.50757287	35.27	79.50772295	35.96
38	79.52424113	35.27	79.52439123	35.99
39	79.54090938	35.27	79.54105952	35.94
40	79.55757763	35.27	79.5577278	35.96
41	79.57424589	35.27	79.57439609	36.05
42	79.59091414	35.27	79.59106437	36.11
43	79.6075824	35.27	79.60773266	36.05
44	79.62425065	35.27	79.62440095	35.94
45	79.64091891	35.27	79.64106923	35.99
46	79.65758716	35.27	79.65773752	35.96
47	79.67425541	35.27	79.6744058	35.99
48	79.69092367	35.27	79.69107409	35.96
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2	79.70759192	35.27	79.70774237	36.05
3	79.72426018	35.28	79.72441066	36.08
4	79.74092843	35.28	79.74107895	36.05
5	79.75759669	35.28	79.75774723	35.96
6	79.77426494	35.28	79.77441552	35.99
7	79.79093319	35.28	79.7910838	35.96
8	79.80760145	35.28	79.80775209	35.94
9	79.8242697	35.28	79.82442037	35.99
10	79.84093796	35.28	79.84108866	36.05
11	79.85760621	35.28	79.85775695	35.96
12	79.87427446	35.28	79.87442523	36.17
13	79.89094272	35.28	79.89109352	36.17
14	79.90761097	35.28	79.9077618	36.05
15	79.92427923	35.28	79.92443009	35.99
16	79.94094748	35.28	79.94109837	35.96
17	79.95761574	35.29	79.95776666	35.96
18	79.97428399	35.29	79.97443495	35.99
19	79.99095224	35.29	79.99110323	35.96
20	80.0076205	35.29	80.00777152	36.05
21	80.02428875	35.29	80.0244398	35.99
22	80.04095701	35.29	80.04110809	36.05
23	80.05762526	35.29	80.05777637	35.91
24	80.07429352	35.29	80.07444466	36.05
25	80.09096177	35.29	80.09111295	35.96
26	80.10763002	35.29	80.10778123	35.99
27	80.12429828	35.29	80.12444952	35.96
28	80.14096653	35.29	80.14111178	35.99
29	80.15763479	35.29	80.15778609	35.99
30	80.17430304	35.29	80.17445437	35.96
31	80.1909713	35.29	80.19112266	36.08
32	80.20763955	35.29	80.20779095	35.96
33	80.2243078	35.29	80.22445923	36.11
34	80.24097606	35.29	80.24112752	35.82
35	80.25764431	35.29	80.2577958	36.05
36	80.27431257	35.29	80.27446409	35.99
37	80.29098082	35.29	80.29113237	35.96
38	80.30764908	35.29	80.30780066	35.96
39	80.32431733	35.29	80.32446895	35.99
40	80.34098558	35.29	80.34113723	35.96
41	80.35765384	35.29	80.35780552	35.96
42	80.37432209	35.29	80.3744738	36.11
43	80.39099035	35.3	80.39114209	36.05
44	80.4076586	35.3	80.40781037	35.96
45	80.42432686	35.3	80.42447866	36.11
46	80.44099511	35.3	80.44114695	36.08
47	80.45766336	35.3	80.45781523	36.05
48	80.47433162	35.3	80.47448352	36.02
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2	80.49099987	35.3	80.4911518	35.96
3	80.50766813	35.3	80.50782009	35.99
4	80.52433638	35.3	80.52448838	35.96
5	80.54100464	35.3	80.54115666	35.99
6	80.55767289	35.3	80.55782495	35.96
7	80.57434114	35.3	80.57449323	35.99
8	80.5910094	35.3	80.59116152	36.05
9				
10	80.60767765	35.3	80.6078298	35.96
11	80.62434591	35.3	80.62449809	35.99
12	80.64101416	35.3	80.64116638	36.08
13	80.65768242	35.3	80.65783466	36.11
14	80.67435067	35.3	80.67450295	36.05
15	80.69101892	35.31	80.69117123	35.99
16	80.70768718	35.31	80.70783952	35.96
17	80.72435543	35.31	80.7245078	35.99
18	80.74102369	35.31	80.74117609	35.96
19	80.75769194	35.31	80.75784438	35.96
20	80.7743602	35.31	80.77451266	35.99
21	80.79102845	35.31	80.79118095	35.96
22	80.8076967	35.31	80.80784923	36.02
23	80.82436496	35.31	80.82451752	36.05
24	80.84103321	35.31	80.8411858	35.99
25	80.85770147	35.31	80.85785409	35.96
26	80.87436972	35.31	80.87452238	36.08
27	80.89103798	35.31	80.89119066	36.08
28	80.90770623	35.31	80.90785895	36.05
29	80.92437448	35.31	80.92452723	35.99
30	80.94104274	35.31	80.94119552	35.96
31	80.95771099	35.31	80.9578638	35.99
32	80.97437925	35.31	80.97453209	35.99
33	80.9910475	35.31	80.99120038	35.96
34	81.00771576	35.31	81.00786866	35.99
35	81.02438401	35.31	81.02453695	35.96
36	81.04105226	35.31	81.04120523	35.99
37	81.05772052	35.31	81.05787352	36.05
38	81.07438877	35.31	81.0745418	35.99
39	81.09105703	35.31	81.09121009	35.96
40	81.10772528	35.31	81.10787838	36.11
41	81.12439354	35.31	81.12454666	36.08
42	81.14106179	35.31	81.14121495	36.08
43	81.15773004	35.31	81.15788323	35.96
44	81.1743983	35.31	81.17455152	35.99
45	81.19106655	35.31	81.1912198	35.96
46	81.20773481	35.31	81.20788809	35.99
47	81.22440306	35.31	81.22455638	35.99
48	81.24107132	35.31	81.24122466	35.99
49	81.25773957	35.31	81.25789295	35.99
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3	81.29107608	35.31	81.29122952	35.99
4	81.30774433	35.31	81.3078978	36.05
5	81.32441259	35.31	81.32456609	36.08
6	81.34108084	35.31	81.34123438	35.96
7	81.3577491	35.31	81.35790266	36.2
8	81.37441735	35.31	81.37457095	36.08
9	81.3910856	35.31	81.39123923	36.05
10	81.40775386	35.31	81.40790752	36.08
11	81.42442211	35.31	81.4245758	35.99
12	81.44109037	35.31	81.44124409	35.99
13	81.45775862	35.31	81.45791238	35.96
14	81.47442687	35.31	81.47458066	35.99
15	81.49109513	35.31	81.49124895	35.96
16	81.50776338	35.31	81.50791723	35.99
17	81.52443164	35.31	81.52458552	35.99
18	81.54109989	35.31	81.5412538	35.99
19	81.55776815	35.31	81.55792209	36.02
20	81.5744364	35.31	81.57459038	36.05
21	81.59110465	35.31	81.59125866	36.08
22	81.60777291	35.31	81.60792695	35.96
23	81.62444116	35.31	81.62459523	35.96
24	81.64110942	35.31	81.64126352	36.08
25	81.65777767	35.31	81.6579318	36.08
26	81.67444593	35.31	81.67460009	36.08
27	81.69111418	35.31	81.69126838	36.05
28	81.70778243	35.31	81.70793666	35.99
29	81.72445069	35.31	81.72460495	35.96
30	81.74111894	35.31	81.74127323	36.02
31	81.7577872	35.31	81.75794152	35.96
32	81.77445545	35.31	81.77460981	35.99
33	81.79112371	35.31	81.79127809	35.96
34	81.80779196	35.31	81.80794638	35.99
35	81.82446021	35.31	81.82461466	35.99
36	81.84112847	35.31	81.84128295	35.99
37	81.85779672	35.31	81.85795123	36.11
38	81.87446498	35.31	81.87461952	36.05
39	81.89113323	35.31	81.89128781	36.05
40	81.90780149	35.31	81.90795609	35.96
41	81.92446974	35.31	81.92462438	36.17
42	81.94113799	35.31	81.94129266	36.08
43	81.95780625	35.31	81.95796095	36.08
44	81.9744745	35.31	81.97462923	36.08
45	81.99114276	35.31	81.99129752	35.99
46	82.00781101	35.31	82.00796581	35.99
47	82.02447927	35.31	82.02463409	35.99
48	82.04114752	35.31	82.04130238	35.99
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3	82.07448403	35.31	82.07463895	35.99
4	82.09115228	35.31	82.09130723	35.99
5	82.10782054	35.31	82.10797552	36.02
6	82.12448879	35.31	82.12464381	35.99
7	82.14115705	35.31	82.14131209	36.02
8	82.14115705	35.31	82.14131209	36.02
9	82.1578253	35.31	82.15798038	35.99
10	82.17449355	35.3	82.17464866	36.08
11	82.19116181	35.3	82.19131695	36.08
12	82.20783006	35.3	82.20798523	35.99
13	82.20783006	35.3	82.20798523	35.99
14	82.22449832	35.31	82.22465352	35.99
15	82.24116657	35.31	82.24132181	36.08
16	82.25783483	35.31	82.25799009	36.08
17	82.27450308	35.31	82.27465838	36.08
18	82.27450308	35.31	82.27465838	36.08
19	82.29117133	35.31	82.29132666	36.05
20	82.30783959	35.31	82.30799495	36.02
21	82.32450784	35.31	82.32466323	35.96
22	82.3411761	35.31	82.34133152	36.02
23	82.3411761	35.31	82.34133152	36.02
24	82.35784435	35.31	82.35799981	35.96
25	82.37451261	35.31	82.37466809	36.02
26	82.39118086	35.31	82.39133638	35.96
27	82.40784911	35.31	82.40800466	35.99
28	82.42451737	35.31	82.42467295	35.99
29	82.42451737	35.31	82.42467295	35.99
30	82.44118562	35.31	82.44134123	35.96
31	82.45785388	35.31	82.45800952	36.02
32	82.47452213	35.31	82.47467781	35.96
33	82.49119039	35.31	82.49134609	36.22
34	82.50785864	35.31	82.50801438	36.08
35	82.50785864	35.31	82.50801438	36.08
36	82.52452689	35.31	82.52468266	36.08
37	82.54119515	35.31	82.54135095	36.05
38	82.5578634	35.31	82.55801923	35.99
39	82.57453166	35.31	82.57468752	36.11
40	82.59119991	35.31	82.59135581	36.17
41	82.59119991	35.31	82.59135581	36.17
42	82.60786817	35.31	82.60802409	36.22
43	82.62453642	35.31	82.62469238	36.08
44	82.64120467	35.31	82.64136066	36.2
45	82.65787293	35.31	82.65802895	36.02
46	82.67454118	35.31	82.67469723	35.99
47	82.67454118	35.31	82.67469723	35.99
48	82.69120944	35.31	82.69136552	36.05
49	82.70787769	35.31	82.70803381	36.02
50	82.72454595	35.31	82.72470209	36.02
51	82.7412142	35.31	82.74137038	36.05
52	82.7412142	35.31	82.74137038	36.05
53	82.75788245	35.31	82.75803866	35.99
54	82.77455071	35.31	82.77470695	36.05
55	82.79121896	35.31	82.79137523	35.99
56	82.80788722	35.31	82.80804352	36.05
57	82.82455547	35.31	82.82471181	35.99
58	82.82455547	35.31	82.82471181	35.99
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2	82.84122373	35.31	82.84138009	36.05
3	82.85789198	35.31	82.85804838	36.08
4	82.87456023	35.31	82.87471666	36.17
5	82.89122849	35.31	82.89138495	36.05
6	82.90789674	35.31	82.90805323	36.08
7				
8	82.924565	35.31	82.92472152	35.99
9	82.94123325	35.31	82.94138981	36.14
10	82.95790151	35.31	82.95805809	36.14
11	82.97456976	35.31	82.97472638	36.11
12	82.99123801	35.31	82.99139466	36.14
13				
14	83.00790627	35.31	83.00806295	36.08
15	83.02457452	35.31	83.02473124	36.05
16	83.04124278	35.31	83.04139952	36.02
17	83.05791103	35.31	83.05806781	36.05
18	83.07457928	35.31	83.07473609	36.02
19				
20	83.09124754	35.31	83.09140438	36.05
21	83.10791579	35.31	83.10807266	36.05
22	83.12458405	35.31	83.12474095	36.02
23				
24	83.1412523	35.31	83.14140924	36.08
25	83.15792056	35.31	83.15807752	36.02
26	83.17458881	35.31	83.17474581	36.05
27	83.19125706	35.31	83.19141409	36.02
28	83.20792532	35.31	83.20808238	36.05
29				
30	83.22459357	35.31	83.22475066	36.02
31	83.24126183	35.31	83.24141895	36.14
32	83.25793008	35.31	83.25808724	36.17
33	83.27459834	35.31	83.27475552	36.11
34	83.29126659	35.31	83.29142381	36.08
35	83.30793484	35.31	83.30809209	36.05
36				
37	83.3246031	35.31	83.32476038	36.05
38	83.34127135	35.31	83.34142866	36.17
39	83.35793961	35.31	83.35809695	36.14
40				
41	83.37460786	35.31	83.37476524	36.22
42	83.39127612	35.31	83.39143352	36.11
43	83.40794437	35.31	83.40810181	36.14
44	83.42461262	35.31	83.42477009	36.11
45	83.44128088	35.31	83.44143838	36.02
46	83.45794913	35.31	83.45810666	36.08
47	83.47461739	35.31	83.47477495	36.02
48				
49	83.49128564	35.31	83.49144324	36.08
50	83.5079539	35.31	83.50811152	36.05
51	83.52462215	35.31	83.52477981	36.08
52				
53	83.5412904	35.31	83.54144809	36.05
54	83.55795866	35.31	83.55811638	36.05
55	83.57462691	35.31	83.57478466	36.05
56	83.59129517	35.31	83.59145295	36.05
57				
58	83.60796342	35.31	83.60812124	36.08
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3	83.64129993	35.31	83.64145781	36.08
4	83.65796818	35.31	83.65812609	36.05
5	83.67463644	35.31	83.67479438	36.2
6	83.69130469	35.31	83.69146266	36.14
7	83.70797295	35.31	83.70813095	36.22
8	83.7246412	35.31	83.72479924	36.05
9				
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11	83.75797771	35.31	83.75813581	36.02
12	83.77464596	35.31	83.77480409	36.2
13				
14	83.79131422	35.31	83.79147238	36.17
15	83.80798247	35.31	83.80814066	36.25
16	83.82465073	35.31	83.82480895	36.2
17	83.84131898	35.31	83.84147724	36.14
18	83.85798724	35.31	83.85814552	36.14
19				
20	83.87465549	35.31	83.87481381	36.05
21	83.89132374	35.31	83.89148209	36.11
22	83.907992	35.31	83.90815038	36.05
23				
24	83.92466025	35.31	83.92481866	36.11
25	83.94132851	35.31	83.94148695	36.08
26	83.95799676	35.32	83.95815524	36.08
27	83.97466502	35.31	83.97482352	36.08
28	83.99133327	35.31	83.99149181	36.08
29				
30	84.00800152	35.31	84.00816009	36.11
31	84.02466978	35.31	84.02482838	36.05
32	84.04133803	35.32	84.04149666	36.11
33	84.05800629	35.32	84.05816495	36.05
34	84.07467454	35.32	84.07483324	36.14
35				
36	84.0913428	35.32	84.09150152	36.05
37	84.10801105	35.32	84.10816981	36.14
38	84.1246793	35.32	84.12483809	36.14
39	84.14134756	35.32	84.14150638	36.22
40				
41	84.15801581	35.32	84.15817466	36.14
42	84.17468407	35.32	84.17484295	36.14
43	84.19135232	35.32	84.19151124	36.05
44	84.20802058	35.32	84.20817952	36.14
45	84.22468883	35.31	84.22484781	36.08
46	84.24135708	35.31	84.24151609	36.25
47	84.25802534	35.31	84.25818438	36.2
48	84.27469359	35.3	84.27485266	36.2
49	84.29136185	35.3	84.29152095	36.2
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51	84.3080301	35.29	84.30818924	36.17
52	84.32469836	35.28	84.32485752	36.22
53				
54	84.34136661	35.28	84.34152581	36.08
55	84.35803486	35.28	84.35819409	36.17
56	84.37470312	35.27	84.37486238	36.08
57	84.39137137	35.27	84.39153067	36.14
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2	84.40803963	35.27	84.40819895	36.11
3	84.42470788	35.27	84.42486724	36.11
4	84.44137614	35.26	84.44153552	36.14
5	84.45804439	35.26	84.45820381	36.08
6	84.47471264	35.26	84.47487209	36.17
7				
8	84.4913809	35.26	84.49154038	36.08
9	84.50804915	35.26	84.50820867	36.17
10	84.52471741	35.26	84.52487695	36.08
11	84.54138566	35.26	84.54154524	36.17
12	84.55805392	35.26	84.55821352	36.11
13				
14	84.57472217	35.26	84.57488181	36.14
15	84.59139042	35.26	84.59155009	36.11
16	84.60805868	35.26	84.60821838	36.22
17	84.62472693	35.26	84.62488667	36.22
18	84.64139519	35.26	84.64155495	36.28
19				
20	84.65806344	35.25	84.65822324	36.14
21	84.67473169	35.25	84.67489152	36.11
22	84.69139995	35.25	84.69155981	36.17
23				
24	84.7080682	35.25	84.70822809	36.2
25	84.72473646	35.25	84.72489638	36.28
26	84.74140471	35.25	84.74156467	36.2
27	84.75807297	35.25	84.75823295	36.11
28	84.77474122	35.26	84.77490124	36.2
29				
30	84.79140947	35.26	84.79156952	36.25
31	84.80807773	35.26	84.80823781	36.25
32	84.82474598	35.26	84.82490609	36.17
33	84.84141424	35.26	84.84157438	36.14
34	84.85808249	35.26	84.85824267	36.14
35	84.87475075	35.26	84.87491095	36.17
36				
37	84.891419	35.26	84.89157924	36.11
38	84.90808725	35.26	84.90824752	36.17
39	84.92475551	35.26	84.92491581	36.11
40				
41	84.94142376	35.26	84.94158409	36.2
42	84.95809202	35.26	84.95825238	36.11
43	84.97476027	35.26	84.97492067	36.17
44	84.99142853	35.26	84.99158895	36.14
45	85.00809678	35.26	85.00825724	36.14
46	85.02476503	35.26	85.02492552	36.17
47	85.04143329	35.26	85.04159381	36.11
48	85.05810154	35.26	85.05826209	36.2
49				
50	85.0747698	35.26	85.07493038	36.14
51	85.09143805	35.26	85.09159867	36.22
52	85.10810631	35.26	85.10826695	36.25
53				
54	85.12477456	35.27	85.12493524	36.2
55	85.14144281	35.27	85.14160352	36.31
56	85.15811107	35.27	85.15827181	36.11
57	85.17477932	35.27	85.17494009	36.2
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2	85.19144758	35.27	85.19160838	36.14
3	85.20811583	35.27	85.20827667	36.08
4	85.22478409	35.27	85.22494495	36.28
5	85.24145234	35.27	85.24161324	36.22
6	85.25812059	35.27	85.25828152	36.31
7	85.27478885	35.27	85.27494981	36.22
8	85.2914571	35.27	85.29161809	36.28
9				
10	85.30812536	35.27	85.30828638	36.28
11	85.32479361	35.27	85.32495467	36.17
12	85.34146187	35.27	85.34162295	36.22
13	85.35813012	35.27	85.35829124	36.14
14	85.37479837	35.27	85.37495952	36.22
15	85.39146663	35.27	85.39162781	36.17
16	85.40813488	35.27	85.40829609	36.2
17	85.42480314	35.27	85.42496438	36.17
18	85.44147139	35.27	85.44163267	36.17
19	85.45813965	35.27	85.45830095	36.22
20	85.4748079	35.27	85.47496924	36.17
21	85.49147615	35.27	85.49163752	36.22
22	85.50814441	35.28	85.50830581	36.25
23	85.52481266	35.27	85.52497409	36.22
24	85.54148092	35.28	85.54164238	36.17
25	85.55814917	35.27	85.55831067	36.31
26	85.57481743	35.27	85.57497895	36.31
27	85.59148568	35.27	85.59164724	36.25
28	85.60815393	35.28	85.60831552	36.25
29	85.62482219	35.27	85.62498381	36.17
30	85.64149044	35.27	85.6416521	36.22
31	85.6581587	35.27	85.65832038	36.2
32	85.67482695	35.27	85.67498867	36.2
33	85.69149521	35.27	85.69165695	36.2
34	85.70816346	35.27	85.70832524	36.2
35	85.72483171	35.27	85.72499352	36.25
36	85.74149997	35.27	85.74166181	36.17
37	85.75816822	35.27	85.7583301	36.34
38	85.77483648	35.27	85.77499838	36.17
39	85.79150473	35.28	85.79166667	36.22
40	85.80817299	35.28	85.80833495	36.31
41	85.82484124	35.28	85.82500324	36.25
42	85.84150949	35.28	85.84167152	36.31
43	85.85817775	35.28	85.85833981	36.17
44	85.874846	35.28	85.8750081	36.25
45	85.89151426	35.28	85.89167638	36.2
46	85.90818251	35.28	85.90834467	36.22
47	85.92485077	35.28	85.92501295	36.22
48	85.94151902	35.28	85.94168124	36.2
49	85.95818727	35.28	85.95834952	36.25
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3	85.99152378	35.28	85.9916861	36.31
4	86.00819204	35.28	86.00835438	36.22
5	86.02486029	35.28	86.02502267	36.2
6	86.04152855	35.29	86.04169095	36.37
7	86.0581968	35.29	86.05835924	36.2
8	86.07486505	35.29	86.07502752	36.31
9	86.09153331	35.29	86.09169581	36.25
10	86.10820156	35.29	86.1083641	36.2
11	86.12486982	35.29	86.12503238	36.28
12	86.14153807	35.29	86.14170067	36.2
13	86.15820633	35.29	86.15836895	36.28
14	86.17487458	35.29	86.17503724	36.22
15	86.19154283	35.29	86.19170552	36.25
16	86.20821109	35.29	86.20837381	36.22
17	86.22487934	35.29	86.2250421	36.31
18	86.2415476	35.29	86.24171038	36.25
19	86.25821585	35.29	86.25837867	36.22
20	86.2748841	35.3	86.27504695	36.37
21	86.29155236	35.3	86.29171524	36.43
22	86.30822061	35.3	86.30838352	36.37
23	86.32488887	35.3	86.32505181	36.22
24	86.34155712	35.3	86.3417201	36.31
25	86.35822538	35.3	86.35838838	36.22
26	86.37489363	35.3	86.37505667	36.31
27	86.39156188	35.31	86.39172495	36.25
28	86.40823014	35.31	86.40839324	36.28
29	86.42489839	35.31	86.42506152	36.22
30	86.44156665	35.31	86.44172981	36.28
31	86.4582349	35.31	86.4583981	36.34
32	86.47490316	35.31	86.47506638	36.28
33	86.49157141	35.31	86.49173467	36.25
34	86.50823966	35.31	86.50840295	36.37
35	86.52490792	35.31	86.52507124	36.34
36	86.54157617	35.31	86.54173952	36.31
37	86.55824443	35.31	86.55840781	36.28
38	86.57491268	35.31	86.5750761	36.25
39	86.59158094	35.32	86.59174438	36.31
40	86.60824919	35.32	86.60841267	36.22
41	86.62491744	35.32	86.62508095	36.31
42	86.6415857	35.32	86.64174924	36.25
43	86.65825395	35.32	86.65841752	36.28
44	86.67492221	35.32	86.67508581	36.49
45	86.69159046	35.32	86.6917541	36.34
46	86.70825872	35.32	86.70842238	36.46
47	86.72492697	35.32	86.72509067	36.22
48	86.74159522	35.32	86.74175895	36.28
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2	86.75826348	35.32	86.75842724	36.4
3	86.77493173	35.32	86.77509552	36.34
4	86.79159999	35.32	86.79176381	36.43
5	86.80826824	35.32	86.8084321	36.37
6	86.8249365	35.32	86.82510038	36.34
7	86.84160475	35.32	86.84176867	36.34
8	86.858273	35.33	86.85843695	36.25
9	86.87494126	35.33	86.87510524	36.28
10	86.89160951	35.33	86.89177353	36.31
11	86.90827777	35.33	86.90844181	36.25
12	86.92494602	35.33	86.9251101	36.34
13	86.94161428	35.33	86.94177838	36.25
14	86.95828253	35.33	86.95844667	36.34
15	86.97495078	35.33	86.97511495	36.28
16	86.99161904	35.33	86.99178324	36.31
17	87.00828729	35.33	87.00845153	36.28
18	87.02495555	35.33	87.02511981	36.31
19	87.0416238	35.33	87.0417881	36.28
20	87.05829206	35.34	87.05845638	36.31
21	87.07496031	35.34	87.07512467	36.28
22	87.09162856	35.34	87.09179295	36.43
23	87.10829682	35.34	87.10846124	36.34
24	87.12496507	35.34	87.12512953	36.43
25	87.14163333	35.34	87.14179781	36.4
26	87.15830158	35.34	87.1584661	36.34
27	87.17496984	35.34	87.17513438	36.28
28	87.19163809	35.34	87.19180267	36.34
29	87.20830634	35.34	87.20847095	36.37
30	87.2249746	35.34	87.22513924	36.46
31	87.24164285	35.35	87.24180753	36.37
32	87.25831111	35.35	87.25847581	36.49
33	87.27497936	35.35	87.2751441	36.37
34	87.29164762	35.35	87.29181238	36.46
35	87.30831587	35.35	87.30848067	36.37
36	87.32498412	35.35	87.32514895	36.4
37	87.34165238	35.35	87.34181724	36.31
38	87.35832063	35.35	87.35848553	36.37
39	87.37498889	35.36	87.37515381	36.28
40	87.39165714	35.36	87.3918221	36.37
41	87.4083254	35.36	87.40849038	36.31
42	87.42499365	35.36	87.42515867	36.37
43	87.4416619	35.36	87.44182695	36.34
44	87.45833016	35.36	87.45849524	36.34
45	87.47499841	35.36	87.47516353	36.37
46	87.49166667	35.36	87.49183181	36.31
47	87.50833492	35.37	87.5085001	36.4
48	87.52500318	35.37	87.52516838	36.31
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2	87.54167143	35.37	87.54183667	36.37
3	87.55833968	35.37	87.55850495	36.37
4	87.57500794	35.37	87.57517324	36.34
5	87.59167619	35.37	87.59184153	36.4
6	87.60834445	35.37	87.60850981	36.34
7	87.6250127	35.37	87.6251781	36.37
8	87.64168096	35.37	87.64184638	36.4
9	87.65834921	35.37	87.65851467	36.31
10	87.67501746	35.37	87.67518295	36.43
11	87.69168572	35.38	87.69185124	36.34
12	87.70835397	35.38	87.70851953	36.37
13	87.72502223	35.38	87.72518781	36.46
14	87.74169048	35.38	87.7418561	36.46
15	87.75835873	35.38	87.75852438	36.52
16	87.77502699	35.38	87.77519267	36.43
17	87.79169524	35.38	87.79186095	36.52
18	87.8083635	35.38	87.80852924	36.46
19	87.82503175	35.39	87.82519753	36.57
20	87.84170001	35.39	87.84186581	36.46
21	87.85836826	35.39	87.8585341	36.55
22	87.87503651	35.39	87.87520238	36.49
23	87.89170477	35.39	87.89187067	36.49
24	87.90837302	35.39	87.90853895	36.49
25	87.92504128	35.39	87.92520724	36.49
26	87.94170953	35.4	87.94187553	36.49
27	87.95837779	35.4	87.95854381	36.52
28	87.97504604	35.4	87.9752121	36.46
29	87.99171429	35.4	87.99188038	36.55
30	88.00838255	35.4	88.00854867	36.46
31	88.0250508	35.4	88.02521695	36.46
32	88.04171906	35.4	88.04188524	36.4
33	88.05838731	35.4	88.05855353	36.46
34	88.07505557	35.4	88.07522181	36.4
35	88.09172382	35.4	88.0918901	36.46
36	88.10839207	35.41	88.10855838	36.4
37	88.12506033	35.41	88.12522667	36.46
38	88.14172858	35.41	88.14189495	36.46
39	88.15839684	35.41	88.15856324	36.43
40	88.17506509	35.41	88.17523153	36.49
41	88.19173335	35.41	88.19189981	36.4
42	88.2084016	35.41	88.2085681	36.49
43	88.22506985	35.41	88.22523638	36.43
44	88.24173811	35.41	88.24190467	36.43
45	88.25840636	35.41	88.25857296	36.52
46	88.27507462	35.41	88.27524124	36.43
47	88.29174287	35.41	88.29190953	36.49
48	88.30841113	35.41	88.30857781	36.46
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2	88.32507938	35.41	88.3252461	36.46
3	88.34174763	35.41	88.34191438	36.52
4	88.35841589	35.41	88.35858267	36.43
5	88.37508414	35.41	88.37525096	36.52
6	88.3917524	35.41	88.39191924	36.49
7				
8	88.40842065	35.41	88.40858753	36.49
9	88.42508891	35.41	88.42525581	36.55
10	88.44175716	35.41	88.4419241	36.55
11	88.45842541	35.42	88.45859238	36.63
12	88.47509367	35.42	88.47526067	36.52
13				
14	88.49176192	35.42	88.49192896	36.57
15	88.50843018	35.42	88.50859724	36.43
16	88.52509843	35.42	88.52526553	36.49
17	88.54176669	35.43	88.54193381	36.55
18	88.55843494	35.43	88.5586021	36.49
19				
20	88.57510319	35.43	88.57527038	36.55
21	88.59177145	35.43	88.59193867	36.49
22	88.6084397	35.43	88.60860696	36.52
23				
24	88.62510796	35.44	88.62527524	36.55
25	88.64177621	35.44	88.64194353	36.46
26	88.65844447	35.44	88.65861181	36.55
27	88.67511272	35.44	88.6752801	36.57
28	88.69178097	35.44	88.69194838	36.57
29				
30	88.70844923	35.45	88.70861667	36.55
31	88.72511748	35.45	88.72528496	36.57
32	88.74178574	35.45	88.74195324	36.66
33	88.75845399	35.45	88.75862153	36.55
34	88.77512225	35.46	88.77528981	36.57
35				
36	88.7917905	35.46	88.7919581	36.49
37	88.80845875	35.46	88.80862638	36.57
38	88.82512701	35.47	88.82529467	36.52
39	88.84179526	35.47	88.84196296	36.57
40				
41	88.85846352	35.47	88.85863124	36.52
42	88.87513177	35.48	88.87529953	36.57
43	88.89180003	35.48	88.89196781	36.6
44	88.90846828	35.49	88.9086361	36.6
45	88.92513653	35.49	88.92530438	36.6
46	88.94180479	35.5	88.94197267	36.63
47	88.95847304	35.5	88.95864096	36.52
48				
49	88.9751413	35.5	88.97530924	36.6
50	88.99180955	35.51	88.99197753	36.55
51	89.00847781	35.52	89.00864581	36.57
52	89.02514606	35.52	89.0253141	36.57
53				
54	89.04181431	35.53	89.04198238	36.55
55	89.05848257	35.53	89.05865067	36.66
56	89.07515082	35.53	89.07531896	36.55
57	89.09181908	35.54	89.09198724	36.69
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1				
2	89.10848733	35.54	89.10865553	36.6
3	89.12515559	35.55	89.12532381	36.6
4	89.14182384	35.55	89.1419921	36.55
5	89.15849209	35.55	89.15866038	36.6
6	89.17516035	35.56	89.17532867	36.57
7	89.1918286	35.56	89.19199696	36.57
8	89.20849686	35.57	89.20866524	36.6
9	89.22516511	35.57	89.22533353	36.66
10	89.24183337	35.57	89.24200181	36.63
11	89.25850162	35.58	89.2586701	36.66
12	89.27516987	35.58	89.27533838	36.69
13	89.29183813	35.58	89.29200667	36.57
14	89.30850638	35.59	89.30867496	36.63
15	89.32517464	35.59	89.32534324	36.57
16	89.34184289	35.59	89.34201153	36.6
17	89.35851114	35.6	89.35867981	36.63
18	89.3751794	35.6	89.3753481	36.57
19	89.39184765	35.6	89.39201638	36.66
20	89.40851591	35.61	89.40868467	36.57
21	89.42518416	35.61	89.42535296	36.63
22	89.44185242	35.61	89.44202124	36.63
23	89.45852067	35.61	89.45868953	36.6
24	89.47518892	35.62	89.47535781	36.66
25	89.49185718	35.62	89.4920261	36.6
26	89.50852543	35.62	89.50869439	36.69
27	89.52519369	35.63	89.52536267	36.6
28	89.54186194	35.63	89.54203096	36.66
29	89.5585302	35.63	89.55869924	36.66
30	89.57519845	35.63	89.57536753	36.63
31	89.5918667	35.64	89.59203581	36.69
32	89.60853496	35.64	89.6087041	36.6
33	89.62520321	35.64	89.62537239	36.72
34	89.64187147	35.64	89.64204067	36.63
35	89.65853972	35.64	89.65870896	36.69
36	89.67520798	35.65	89.67537724	36.66
37	89.69187623	35.65	89.69204553	36.66
38	89.70854448	35.65	89.70871381	36.69
39	89.72521274	35.65	89.7253821	36.63
40	89.74188099	35.66	89.74205039	36.72
41	89.75854925	35.66	89.75871867	36.75
42	89.7752175	35.66	89.77538696	36.84
43	89.79188576	35.66	89.79205524	36.72
44	89.80855401	35.67	89.80872353	36.81
45	89.82522226	35.67	89.82539181	36.75
46	89.84189052	35.67	89.8420601	36.75
47	89.85855877	35.67	89.85872839	36.66
48	89.87522703	35.67	89.87539667	36.81
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2	89.89189528	35.67	89.89206496	36.75
3	89.90856354	35.68	89.90873324	36.69
4	89.92523179	35.68	89.92540153	36.72
5	89.94190004	35.68	89.94206981	36.66
6				
7	89.9585683	35.68	89.9587381	36.75
8	89.97523655	35.68	89.97540639	36.66
9	89.99190481	35.68	89.99207467	36.75
10	90.00857306	35.69	90.00874296	36.69
11	90.02524132	35.69	90.02541124	36.75
12	90.04190957	35.69	90.04207953	36.66
13				
14	90.05857782	35.69	90.05874781	36.75
15	90.07524608	35.69	90.0754161	36.66
16	90.09191433	35.69	90.09208439	36.78
17	90.10858259	35.69	90.10875267	36.78
18	90.12525084	35.69	90.12542096	36.84
19				
20	90.1419191	35.7	90.14208924	36.93
21	90.15858735	35.7	90.15875753	36.81
22	90.1752556	35.7	90.17542581	36.87
23				
24	90.19192386	35.7	90.1920941	36.78
25	90.20859211	35.7	90.20876239	36.78
26	90.22526037	35.7	90.22543067	36.75
27	90.24192862	35.7	90.24209896	36.81
28	90.25859688	35.7	90.25876724	36.87
29	90.27526513	35.7	90.27543553	36.84
30				
31	90.29193338	35.71	90.29210381	36.75
32	90.30860164	35.71	90.3087721	36.81
33	90.32526989	35.71	90.32544039	36.75
34	90.34193815	35.71	90.34210867	36.78
35				
36	90.3586064	35.71	90.35877696	36.78
37	90.37527466	35.71	90.37544524	36.75
38	90.39194291	35.71	90.39211353	36.81
39	90.40861116	35.71	90.40878181	36.78
40				
41	90.42527942	35.71	90.4254501	36.75
42	90.44194767	35.72	90.44211839	36.81
43	90.45861593	35.72	90.45878667	36.78
44	90.47528418	35.72	90.47545496	36.78
45	90.49195244	35.72	90.49212324	36.84
46	90.50862069	35.72	90.50879153	36.78
47	90.52528894	35.72	90.52545981	36.81
48				
49	90.5419572	35.72	90.5421281	36.9
50	90.55862545	35.72	90.55879639	36.87
51	90.57529371	35.72	90.57546467	36.87
52	90.59196196	35.73	90.59213296	36.87
53				
54	90.60863022	35.73	90.60880124	36.9
55	90.62529847	35.73	90.62546953	36.81
56	90.64196672	35.73	90.64213781	36.81
57	90.65863498	35.73	90.6588061	36.81
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2	90.67530323	35.73	90.67547439	36.9
3	90.69197149	35.73	90.69214267	36.9
4	90.70863974	35.73	90.70881096	36.87
5	90.725308	35.74	90.72547924	36.81
6	90.74197625	35.74	90.74214753	36.81
7	90.7586445	35.74	90.75881582	36.78
8	90.77531276	35.74	90.7754841	36.84
9	90.79198101	35.74	90.79215239	36.78
10	90.80864927	35.74	90.80882067	36.81
11	90.82531752	35.74	90.82548896	36.81
12	90.84198578	35.74	90.84215724	36.78
13	90.85865403	35.75	90.85882553	36.84
14	90.87532228	35.75	90.87549382	36.78
15	90.89199054	35.75	90.8921621	36.84
16	90.90865879	35.75	90.90883039	36.87
17	90.92532705	35.75	90.92549867	36.9
18	90.9419953	35.75	90.94216696	36.9
19	90.95866355	35.75	90.95883524	36.87
20	90.97533181	35.75	90.97550353	36.99
21	90.99200006	35.76	90.99217182	36.78
22	91.00866832	35.76	91.0088401	36.81
23	91.02533657	35.76	91.02550839	36.9
24	91.04200483	35.76	91.04217667	36.78
25	91.05867308	35.76	91.05884496	36.81
26	91.07534133	35.76	91.07551324	36.81
27	91.09200959	35.76	91.09218153	36.78
28	91.10867784	35.76	91.10884982	36.81
29	91.1253461	35.76	91.1255181	36.81
30	91.14201435	35.77	91.14218639	36.78
31	91.15868261	35.77	91.15885467	36.84
32	91.17535086	35.77	91.17552296	36.78
33	91.19201911	35.77	91.19219124	36.81
34	91.20868737	35.77	91.20885953	36.81
35	91.22535562	35.77	91.22552782	36.87
36	91.24202388	35.77	91.2421961	36.93
37	91.25869213	35.77	91.25886439	36.9
38	91.27536039	35.77	91.27553267	36.93
39	91.29202864	35.77	91.29220096	36.75
40	91.30869689	35.77	91.30886924	36.84
41	91.32536515	35.77	91.32553753	36.78
42	91.3420334	35.77	91.34220582	36.9
43	91.35870166	35.78	91.3588741	36.87
44	91.37536991	35.78	91.37554239	36.81
45	91.39203817	35.78	91.39221067	36.78
46	91.40870642	35.77	91.40887896	36.81
47	91.42537467	35.77	91.42554724	36.78
48	91.44204293	35.78	91.44221553	36.78
49				
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1				
2	91.45871118	35.78	91.45888382	36.81
3	91.47537944	35.78	91.4755521	36.75
4	91.49204769	35.78	91.49222039	36.81
5	91.50871595	35.78	91.50888867	36.78
6				
7	91.5253842	35.78	91.52555696	36.78
8	91.54205245	35.78	91.54222524	36.81
9	91.55872071	35.78	91.55889353	36.87
10	91.57538896	35.78	91.57556182	36.9
11	91.59205722	35.78	91.5922301	36.99
12	91.60872547	35.78	91.60889839	36.87
13				
14	91.62539373	35.78	91.62556667	36.81
15	91.64206198	35.78	91.64223496	36.81
16	91.65873023	35.79	91.65890324	36.78
17	91.67539849	35.79	91.67557153	36.84
18	91.69206674	35.79	91.69223982	36.87
19				
20	91.708735	35.79	91.7089081	36.78
21	91.72540325	35.79	91.72557639	36.75
22	91.74207151	35.79	91.74224467	36.78
23	91.75873976	35.79	91.75891296	36.78
24	91.77540801	35.79	91.77558124	36.75
25	91.79207627	35.79	91.79224953	36.78
26	91.80874452	35.79	91.80891782	36.78
27				
28	91.82541278	35.79	91.8255861	36.75
29	91.84208103	35.79	91.84225439	36.78
30	91.85874929	35.79	91.85892267	36.78
31	91.87541754	35.79	91.87559096	36.84
32	91.89208579	35.8	91.89225924	36.87
33	91.90875405	35.8	91.90892753	36.87
34				
35	91.9254223	35.8	91.92559582	36.84
36	91.94209056	35.8	91.9422641	36.69
37	91.95875881	35.8	91.95893239	36.78
38	91.97542707	35.8	91.97560067	36.81
39	91.99209532	35.8	91.99226896	36.81
40	92.00876357	35.8	92.00893724	36.93
41	92.02543183	35.8	92.02560553	36.72
42	92.04210008	35.8	92.04227382	36.72
43	92.05876834	35.8	92.0589421	36.78
44	92.07543659	35.8	92.07561039	36.75
45	92.09210485	35.81	92.09227867	36.72
46	92.1087731	35.81	92.10894696	36.75
47	92.12544135	35.8	92.12561525	36.75
48	92.14210961	35.8	92.14228353	36.72
49	92.15877786	35.8	92.15895182	36.72
50	92.17544612	35.8	92.1756201	36.75
51	92.19211437	35.8	92.19228839	36.84
52	92.20878263	35.8	92.20895667	36.81
53	92.22545088	35.8	92.22562496	36.69
54				
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1				
2	92.24211913	35.8	92.24229325	36.84
3	92.25878739	35.79	92.25896153	36.87
4	92.27545564	35.79	92.27562982	36.72
5	92.2921239	35.79	92.2922981	36.72
6				
7	92.30879215	35.79	92.30896639	36.78
8	92.32546041	35.78	92.32563467	36.78
9	92.34212866	35.78	92.34230296	36.72
10	92.35879691	35.78	92.35897125	36.69
11	92.37546517	35.78	92.37563953	36.69
12	92.39213342	35.77	92.39230782	36.72
13				
14	92.40880168	35.77	92.4089761	36.72
15	92.42546993	35.76	92.42564439	36.69
16	92.44213819	35.76	92.44231267	36.69
17	92.45880644	35.76	92.45898096	36.72
18	92.47547469	35.75	92.47564925	36.69
19				
20	92.49214295	35.75	92.49231753	36.78
21	92.5088112	35.74	92.50898582	36.81
22	92.52547946	35.74	92.5256541	36.81
23				
24	92.54214771	35.73	92.54232239	36.72
25	92.55881596	35.73	92.55899067	36.69
26	92.57548422	35.73	92.57565896	36.78
27	92.59215247	35.72	92.59232725	36.72
28	92.60882073	35.72	92.60899553	36.66
29				
30	92.62548898	35.71	92.62566382	36.69
31	92.64215724	35.71	92.6423321	36.66
32	92.65882549	35.7	92.65900039	36.66
33	92.67549374	35.7	92.67566867	36.69
34				
35	92.692162	35.69	92.69233696	36.63
36	92.70883025	35.69	92.70900525	36.6
37	92.72549851	35.69	92.72567353	36.81
38	92.74216676	35.68	92.74234182	36.75
39	92.75883502	35.68	92.7590101	36.63
40				
41	92.77550327	35.68	92.77567839	36.75
42	92.79217152	35.67	92.79234667	36.69
43	92.80883978	35.67	92.80901496	36.63
44	92.82550803	35.66	92.82568325	36.69
45	92.84217629	35.66	92.84235153	36.63
46	92.85884454	35.66	92.85901982	36.6
47				
48	92.8755128	35.65	92.8756881	36.66
49	92.89218105	35.65	92.89235639	36.63
50	92.9088493	35.65	92.90902467	36.72
51	92.92551756	35.64	92.92569296	36.75
52	92.94218581	35.64	92.94236125	36.63
53				
54	92.95885407	35.64	92.95902953	36.69
55	92.97552232	35.64	92.97569782	36.6
56	92.99219058	35.64	92.9923661	36.66
57				
58	93.00885883	35.63	93.00903439	36.6
59				
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1				
2	93.02552708	35.63	93.02570267	36.6
3	93.04219534	35.63	93.04237096	36.63
4	93.05886359	35.63	93.05903925	36.63
5	93.07553185	35.62	93.07570753	36.69
6				
7	93.0922001	35.62	93.09237582	36.43
8	93.10886836	35.62	93.1090441	36.75
9	93.12553661	35.62	93.12571239	36.63
10	93.14220486	35.62	93.14238067	36.69
11	93.15887312	35.61	93.15904896	36.6
12	93.17554137	35.61	93.17571725	36.57
13				
14	93.19220963	35.61	93.19238553	36.6
15	93.20887788	35.61	93.20905382	36.63
16	93.22554614	35.6	93.2257221	36.57
17	93.24221439	35.6	93.24239039	36.69
18	93.25888264	35.6	93.25905867	36.72
19				
20	93.2755509	35.6	93.27572696	36.57
21	93.29221915	35.6	93.29239525	36.66
22	93.30888741	35.6	93.30906353	36.63
23	93.32555566	35.6	93.32573182	36.57
24				
25	93.34222392	35.59	93.3424001	36.6
26	93.35889217	35.59	93.35906839	36.57
27	93.37556042	35.59	93.37573668	36.55
28	93.39222868	35.59	93.39240496	36.6
29	93.40889693	35.58	93.40907325	36.55
30	93.42556519	35.58	93.42574153	36.55
31				
32	93.44223344	35.58	93.44240982	36.6
33	93.4589017	35.57	93.4590781	36.55
34	93.47556995	35.57	93.47574639	36.55
35				
36	93.4922382	35.57	93.49241468	36.57
37	93.50890646	35.57	93.50908296	36.55
38	93.52557471	35.57	93.52575125	36.55
39	93.54224297	35.57	93.54241953	36.57
40	93.55891122	35.56	93.55908782	36.57
41				
42	93.57557948	35.56	93.5757561	36.63
43	93.59224773	35.56	93.59242439	36.6
44	93.60891598	35.56	93.60909268	36.63
45	93.62558424	35.56	93.62576096	36.57
46	93.64225249	35.55	93.64242925	36.52
47	93.65892075	35.55	93.65909753	36.52
48				
49	93.6755589	35.55	93.67576582	36.63
50	93.69225726	35.55	93.6924341	36.66
51	93.70892551	35.55	93.70910239	36.72
52	93.72559376	35.54	93.72577068	36.57
53				
54	93.74226202	35.54	93.74243896	36.57
55	93.75893027	35.54	93.75910725	36.55
56	93.77559853	35.54	93.77577553	36.55
57				
58	93.79226678	35.54	93.79244382	36.52
59				
60				

1				
2	93.80893504	35.54	93.8091121	36.52
3	93.82560329	35.54	93.82578039	36.52
4	93.84227154	35.53	93.84244868	36.55
5	93.8589398	35.53	93.85911696	36.52
6				
7	93.87560805	35.53	93.87578525	36.49
8	93.89227631	35.53	93.89245353	36.52
9	93.90894456	35.53	93.90912182	36.55
10	93.92561282	35.53	93.9257901	36.57
11	93.94228107	35.53	93.94245839	36.57
12	93.95894932	35.53	93.95912668	36.52
13				
14	93.97561758	35.52	93.97579496	36.46
15	93.99228583	35.52	93.99246325	36.57
16	94.00895409	35.52	94.00913153	36.57
17	94.02562234	35.52	94.02579982	36.55
18				
19	94.0422906	35.52	94.0424681	36.49
20	94.05895885	35.52	94.05913639	36.52
21	94.0756271	35.52	94.07580468	36.46
22				
23	94.09229536	35.52	94.09247296	36.49
24	94.10896361	35.51	94.10914125	36.49
25	94.12563187	35.51	94.12580953	36.49
26	94.14230012	35.51	94.14247782	36.49
27	94.15896837	35.51	94.1591461	36.46
28	94.17563663	35.51	94.17581439	36.46
29				
30	94.19230488	35.51	94.19248268	36.49
31	94.20897314	35.51	94.20915096	36.46
32	94.22564139	35.51	94.22581925	36.46
33	94.24230965	35.5	94.24248753	36.49
34				
35	94.2589779	35.5	94.25915582	36.43
36	94.27564615	35.5	94.2758241	36.49
37	94.29231441	35.5	94.29249239	36.49
38	94.30898266	35.5	94.30916068	36.55
39	94.32565092	35.5	94.32582896	36.57
40				
41	94.34231917	35.5	94.34249725	36.57
42	94.35898743	35.5	94.35916553	36.46
43	94.37565568	35.49	94.37583382	36.55
44	94.39232393	35.49	94.3925021	36.57
45	94.40899219	35.49	94.40917039	36.46
46	94.42566044	35.49	94.42583868	36.43
47				
48	94.4423287	35.49	94.44250696	36.46
49	94.45899695	35.48	94.45917525	36.57
50	94.47566521	35.48	94.47584353	36.52
51	94.49233346	35.48	94.49251182	36.6
52	94.50900171	35.48	94.5091801	36.46
53				
54	94.52566997	35.48	94.52584839	36.43
55	94.54233822	35.47	94.54251668	36.43
56	94.55900648	35.47	94.55918496	36.46
57	94.57567473	35.47	94.57585325	36.4
58				
59				
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1				
2	94.59234299	35.47	94.59252153	36.43
3	94.60901124	35.47	94.60918982	36.46
4	94.62567949	35.46	94.62585811	36.4
5	94.64234775	35.46	94.64252639	36.43
6				
7	94.659016	35.46	94.65919468	36.46
8	94.67568426	35.45	94.67586296	36.4
9	94.69235251	35.45	94.69253125	36.52
10	94.70902077	35.45	94.70919953	36.55
11	94.72568902	35.44	94.72586782	36.31
12	94.74235727	35.44	94.74253611	36.52
13				
14	94.75902553	35.43	94.75920439	36.37
15	94.77569378	35.43	94.77587268	36.4
16	94.79236204	35.42	94.79254096	36.55
17	94.80903029	35.42	94.80920925	36.52
18	94.82569855	35.41	94.82587753	36.34
19				
20	94.8423668	35.41	94.84254582	36.4
21	94.85903505	35.4	94.85921411	36.43
22	94.87570331	35.4	94.87588239	36.4
23				
24	94.89237156	35.39	94.89255068	36.37
25	94.90903982	35.39	94.90921896	36.4
26	94.92570807	35.39	94.92588725	36.43
27	94.94237633	35.38	94.94255553	36.4
28	94.95904458	35.38	94.95922382	36.37
29	94.97571283	35.37	94.97589211	36.4
30	94.99238109	35.37	94.99256039	36.52
31				
32	95.00904934	35.37	95.00922868	36.46
33	95.0257176	35.36	95.02589696	36.43
34	95.04238585	35.36	95.04256525	36.49
35	95.05905411	35.35	95.05923353	36.37
36	95.07572236	35.35	95.07590182	36.37
37	95.09239061	35.35	95.09257011	36.46
38	95.10905887	35.34	95.10923839	36.46
39	95.12572712	35.34	95.12590668	36.49
40	95.14239538	35.34	95.14257496	36.4
41	95.15906363	35.33	95.15924325	36.34
42	95.17573189	35.33	95.17591153	36.34
43	95.19240014	35.33	95.19257982	36.37
44	95.20906839	35.32	95.20924811	36.37
45	95.22573665	35.32	95.22591639	36.34
46				
47	95.2424049	35.32	95.24258468	36.37
48	95.25907316	35.31	95.25925296	36.37
49	95.27574141	35.31	95.27592125	36.34
50	95.29240967	35.31	95.29258953	36.34
51	95.30907792	35.31	95.30925782	36.37
52	95.32574617	35.3	95.32592611	36.34
53	95.34241443	35.3	95.34259439	36.34
54	95.35908268	35.3	95.35926268	36.37
55				
56				
57				
58				
59				
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1				
2	95.37575094	35.3	95.37593096	36.34
3	95.39241919	35.3	95.39259925	36.31
4	95.40908745	35.29	95.40926753	36.49
5	95.4257557	35.29	95.42593582	36.43
6				
7	95.44242395	35.29	95.44260411	36.4
8	95.45909221	35.29	95.45927239	36.46
9	95.47576046	35.29	95.47594068	36.46
10	95.49242872	35.28	95.49260896	36.43
11	95.50909697	35.28	95.50927725	36.43
12	95.52576523	35.28	95.52594553	36.49
13				
14	95.54243348	35.28	95.54261382	36.31
15	95.55910173	35.28	95.55928211	36.31
16	95.57576999	35.27	95.57595039	36.34
17	95.59243824	35.27	95.59261868	36.28
18				
19	95.6091065	35.27	95.60928696	36.37
20	95.62577475	35.27	95.62595525	36.43
21	95.64244301	35.27	95.64262353	36.4
22	95.65911126	35.27	95.65929182	36.34
23				
24	95.67577951	35.27	95.67596011	36.31
25	95.69244777	35.27	95.69262839	36.34
26	95.70911602	35.26	95.70929668	36.28
27	95.72578428	35.26	95.72596496	36.31
28	95.74245253	35.26	95.74263325	36.34
29				
30	95.75912078	35.26	95.75930153	36.31
31	95.77578904	35.26	95.77596982	36.28
32	95.79245729	35.26	95.79263811	36.28
33	95.80912555	35.26	95.80930639	36.34
34				
35	95.8257938	35.26	95.82597468	36.28
36	95.84246206	35.26	95.84264296	36.28
37	95.85913031	35.26	95.85931125	36.34
38	95.87579856	35.26	95.87597954	36.28
39	95.89246682	35.26	95.89264782	36.31
40				
41	95.90913507	35.26	95.90931611	36.28
42	95.92580333	35.25	95.92598439	36.31
43	95.94247158	35.25	95.94265268	36.31
44	95.95913984	35.25	95.95932096	36.28
45	95.97580809	35.25	95.97598925	36.31
46	95.99247634	35.25	95.99265754	36.31
47				
48	96.0091446	35.25	96.00932582	36.28
49	96.02581285	35.25	96.02599411	36.14
50	96.04248111	35.25	96.04266239	36.4
51	96.05914936	35.25	96.05933068	36.34
52	96.07581762	35.25	96.07599896	36.37
53				
54	96.09248587	35.25	96.09266725	36.43
55	96.10915412	35.25	96.10933554	36.34
56	96.12582238	35.25	96.12600382	36.37
57				
58	96.14249063	35.25	96.14267211	36.37
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2	96.15915889	35.25	96.15934039	36.34
3	96.17582714	35.25	96.17600868	36.4
4	96.1924954	35.25	96.19267696	36.34
5	96.20916365	35.25	96.20934525	36.37
6	96.2258319	35.25	96.22601354	36.37
7	96.24250016	35.25	96.24268182	36.34
8	96.25916841	35.25	96.25935011	36.4
9	96.27583667	35.24	96.27601839	36.43
10	96.29250492	35.24	96.29268668	36.28
11	96.30917318	35.24	96.30935496	36.31
12	96.32584143	35.24	96.32602325	36.34
13	96.34250968	35.24	96.34269154	36.34
14	96.35917794	35.24	96.35935982	36.31
15	96.37584619	35.24	96.37602811	36.31
16	96.39251445	35.24	96.39269639	36.37
17	96.4091827	35.24	96.40936468	36.34
18	96.42585096	35.24	96.42603296	36.25
19	96.44251921	35.24	96.44270125	36.25
20	96.45918746	35.24	96.45936954	36.25
21	96.47585572	35.24	96.47603782	36.22
22	96.49252397	35.24	96.49270611	36.25
23	96.50919223	35.24	96.50937439	36.25
24	96.52586048	35.24	96.52604268	36.22
25	96.54252874	35.24	96.54271096	36.25
26	96.55919699	35.24	96.55937925	36.25
27	96.57586524	35.23	96.57604754	36.22
28	96.5925335	35.23	96.59271582	36.22
29	96.60920175	35.23	96.60938411	36.25
30	96.62587001	35.23	96.62605239	36.22
31	96.64253826	35.23	96.64272068	36.25
32	96.65920652	35.23	96.65938896	36.22
33	96.67587477	35.23	96.67605725	36.25
34	96.69254302	35.22	96.69272554	36.22
35	96.70921128	35.22	96.70939382	36.22
36	96.72587953	35.22	96.72606211	36.2
37	96.74254779	35.22	96.74273039	36.25
38	96.75921604	35.22	96.75939868	36.2
39	96.7758843	35.22	96.77606696	36.22
40	96.79255255	35.21	96.79273525	36.22
41	96.8092208	35.21	96.80940354	36.22
42	96.82588906	35.21	96.82607182	36.22
43	96.84255731	35.21	96.84274011	36.2
44	96.85922557	35.21	96.85940839	36.4
45	96.87589382	35.21	96.87607668	36.28
46	96.89256208	35.21	96.89274496	36.31
47	96.90923033	35.21	96.90941325	36.31
48	96.92589858	35.21	96.92608154	36.34
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3	96.95923509	35.21	96.95941811	36.22
4	96.97590335	35.21	96.97608639	36.22
5	96.9925716	35.21	96.99275468	36.17
6				
7	97.00923986	35.21	97.00942296	36.31
8	97.02590811	35.21	97.02609125	36.31
9	97.04257636	35.21	97.04275954	36.28
10	97.05924462	35.21	97.05942782	36.31
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12	97.09258113	35.2	97.09276439	36.25
13				
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15	97.12591764	35.2	97.12610096	36.28
16	97.14258589	35.2	97.14276925	36.2
17	97.15925414	35.2	97.15943754	36.22
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20	97.19259065	35.2	97.19277411	36.2
21	97.20925891	35.2	97.20944239	36.22
22	97.22592716	35.2	97.22611068	36.2
23				
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25	97.25926367	35.2	97.25944725	36.22
26	97.27593192	35.2	97.27611554	36.17
27	97.29260018	35.2	97.29278382	36.22
28				
29	97.30926843	35.2	97.30945211	36.2
30	97.32593669	35.2	97.32612039	36.17
31	97.34260494	35.2	97.34278868	36.22
32	97.35927319	35.2	97.35945697	36.17
33	97.37594145	35.2	97.37612525	36.2
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36	97.40927796	35.2	97.40946182	36.17
37	97.42594621	35.2	97.42613011	36.2
38	97.44261447	35.2	97.44279839	36.17
39	97.45928272	35.2	97.45946668	36.31
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41	97.47595097	35.2	97.47613497	36.25
42	97.49261923	35.2	97.49280325	36.28
43	97.50928748	35.2	97.50947154	36.28
44	97.52595574	35.2	97.52613982	36.2
45	97.54262399	35.2	97.54280811	36.2
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47	97.55929225	35.2	97.55947639	36.17
48	97.5759605	35.2	97.57614468	36.17
49	97.59262875	35.2	97.59281297	36.22
50	97.60929701	35.2	97.60948125	36.28
51	97.62596526	35.2	97.62614954	36.25
52	97.64263352	35.2	97.64281782	36.28
53				
54	97.65930177	35.2	97.65948611	36.05
55	97.67597003	35.2	97.67615439	36.25
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3	97.74264304	35.2	97.74282754	36.25
4	97.7593113	35.21	97.75949582	36.25
5	97.77597955	35.21	97.77616411	36.25
6	97.79264781	35.21	97.79283239	36.28
7	97.80931606	35.21	97.80950068	36.11
8	97.82598431	35.21	97.82616897	36.2
9	97.84265257	35.21	97.84283725	36.17
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13	97.90932559	35.21	97.90951039	36.17
14	97.92599384	35.21	97.92617868	36.17
15	97.94266209	35.22	97.94284697	36.17
16	97.95933035	35.22	97.95951525	36.2
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20	98.02600337	35.22	98.02618839	36.14
21	98.04267162	35.22	98.04285668	36.17
22	98.05933987	35.22	98.05952497	36.17
23	98.07600813	35.22	98.07619325	36.14
24	98.09267638	35.22	98.09286154	36.17
25	98.10934464	35.22	98.10952982	36.17
26	98.12601289	35.22	98.12619811	36.14
27	98.14268115	35.22	98.14286639	36.17
28	98.1593494	35.22	98.15953468	36.14
29	98.17601765	35.22	98.17620297	36.14
30	98.19268591	35.22	98.19287125	36.2
31	98.20935416	35.22	98.20953954	36.14
32	98.22602242	35.22	98.22620782	36.17
33	98.24269067	35.22	98.24287611	36.14
34	98.25935893	35.22	98.25954439	36.14
35	98.27602718	35.22	98.27621268	36.17
36	98.29269543	35.22	98.29288097	36.14
37	98.30936369	35.23	98.30954925	36.17
38	98.32603194	35.23	98.32621754	36.11
39	98.3427002	35.23	98.34288582	36.31
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41	98.37603671	35.23	98.37622239	36.25
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43	98.40937321	35.23	98.40955897	36.22
44	98.42604147	35.23	98.42622725	36.25
45	98.44270972	35.23	98.44289554	36.2
46	98.45937798	35.23	98.45956382	36.31
47	98.47604623	35.23	98.47623211	36.22
48	98.49271449	35.24	98.4929004	36.25
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3	98.52605099	35.24	98.52623697	36.22
4	98.54271925	35.24	98.54290525	36.25
5	98.5593875	35.24	98.55957354	36.22
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8	98.59272401	35.24	98.59291011	36.14
9	98.60939227	35.24	98.6095784	36.17
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12	98.65939703	35.24	98.65958325	36.14
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15	98.69273354	35.24	98.69291982	36.25
16	98.70940179	35.25	98.70958811	36.22
17	98.72607005	35.25	98.7262564	36.22
18				
19	98.7427383	35.25	98.74292468	36.25
20	98.75940655	35.25	98.75959297	36.31
21	98.77607481	35.25	98.77626125	36.14
22	98.79274306	35.25	98.79292954	36.14
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25	98.82607957	35.25	98.82626611	36.17
26	98.84274782	35.25	98.8429344	36.14
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28	98.87608433	35.25	98.87627097	36.17
29				
30	98.89275259	35.25	98.89293925	36.11
31	98.90942084	35.25	98.90960754	36.17
32	98.9260891	35.26	98.92627582	36.11
33	98.94275735	35.26	98.94294411	36.14
34				
35	98.9594256	35.26	98.9596124	36.14
36	98.97609386	35.26	98.97628068	36.14
37	98.99276211	35.26	98.99294897	36.14
38	99.00943037	35.26	99.00961725	36.11
39	99.02609862	35.26	99.02628554	36.17
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41	99.04276688	35.26	99.04295382	36.11
42	99.05943513	35.26	99.05962211	36.14
43	99.07610338	35.26	99.0762904	36.14
44	99.09277164	35.26	99.09295868	36.14
45	99.10943989	35.26	99.10962697	36.17
46	99.12610815	35.26	99.12629525	36.11
47				
48	99.1427764	35.26	99.14296354	36.14
49	99.15944466	35.27	99.15963182	36.14
50	99.17611291	35.27	99.17630011	36.11
51	99.19278116	35.27	99.1929684	36.14
52	99.20944942	35.27	99.20963668	36.25
53				
54	99.22611767	35.27	99.22630497	36.2
55	99.24278593	35.27	99.24297325	36.22
56	99.25945418	35.27	99.25964154	36.22
57	99.27612244	35.27	99.27630982	36.28
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3	99.30945894	35.27	99.3096464	36.25
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5	99.34279545	35.27	99.34298297	36.25
6				
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9	99.39280022	35.27	99.39298782	36.17
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12	99.44280498	35.27	99.44299268	36.25
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15	99.47614149	35.27	99.47632925	36.22
16	99.49280974	35.27	99.49299754	36.22
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22	99.57615101	35.27	99.57633897	36.14
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25	99.60948752	35.27	99.60967554	36.14
26	99.62615578	35.27	99.62634382	36.11
27	99.64282403	35.27	99.64301211	36.11
28	99.65949228	35.27	99.6596804	36.14
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33	99.7261653	35.28	99.72635354	36.11
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35				
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38	99.79283832	35.28	99.79302668	36.11
39	99.80950657	35.28	99.80969497	36.14
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42	99.84284308	35.28	99.84303154	36.11
43	99.85951134	35.28	99.85969983	36.14
44	99.87617959	35.28	99.87636811	36.22
45	99.89284784	35.28	99.8930364	36.22
46	99.9095161	35.28	99.90970468	36.2
47	99.92618435	35.28	99.92637297	36.22
48	99.94285261	35.28	99.94304125	36.28
49	99.95952086	35.28	99.95970954	36.2
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51	99.97618912	35.28	99.97637783	36.22
52	99.99285737	35.28	99.99304611	36.25
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54	100.0095256	35.28	100.0097144	36.11
55	100.0261939	35.28	100.0263827	36.14
56	100.0428621	35.28	100.043051	36.11
57	100.0595304	35.29	100.0597193	36.11
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3	100.0928669	35.28	100.0930558	36.2
4	100.1095351	35.29	100.1097241	36.22
5	100.1262034	35.28	100.1263924	36.2
6	100.1428717	35.28	100.1430607	36.11
7	100.1595399	35.29	100.159729	36.14
8	100.1762082	35.29	100.1763973	36.11
9	100.1928764	35.29	100.1930655	36.11
10	100.2095447	35.29	100.2097338	36.14
11	100.2262129	35.29	100.2264021	36.14
12	100.2428812	35.29	100.2430704	36.08
13	100.2595494	35.29	100.2597387	36.14
14	100.2762177	35.29	100.276407	36.11
15	100.2928859	35.29	100.2930753	36.11
16	100.3095542	35.29	100.3097435	36.14
17	100.3262225	35.29	100.3264118	36.11
18	100.3428907	35.29	100.3430801	36.11
19	100.359559	35.29	100.3597484	36.14
20	100.3762272	35.29	100.3764167	36.08
21	100.3928955	35.3	100.393085	36.11
22	100.4095637	35.3	100.4097533	36.14
23	100.426232	35.3	100.4264215	36.08
24	100.4429002	35.3	100.4430898	36.14
25	100.4595685	35.3	100.4597581	36.17
26	100.4762367	35.3	100.4764264	36.2
27	100.492905	35.3	100.4930947	36.22
28	100.5095733	35.31	100.509763	36.17
29	100.5262415	35.31	100.5264313	36.28
30	100.5429098	35.31	100.5430995	36.2
31	100.559578	35.31	100.5597678	36.2
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33	100.5929145	35.31	100.5931044	36.11
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36	100.6429193	35.31	100.6431093	36.17
37	100.6595875	35.31	100.6597775	36.22
38	100.6762558	35.31	100.6764458	36.2
39	100.692924	35.31	100.6931141	36.2
40	100.7095923	35.31	100.7097824	36.08
41	100.7262606	35.32	100.7264507	36.08
42	100.7429288	35.32	100.743119	36.14
43	100.7595971	35.32	100.7597873	36.11
44	100.7762653	35.32	100.7764555	36.08
45	100.7929336	35.32	100.7931238	36.14
46	100.8096018	35.32	100.8097921	36.08
47	100.8262701	35.32	100.8264604	36.11
48	100.8429383	35.32	100.8431287	36.11
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5	100.9096114	35.32	100.9098018	36.14
6	100.9262796	35.32	100.9264701	36.08
7	100.9429479	35.32	100.9431384	36.11
8	100.9596161	35.32	100.9598067	36.11
9	100.9762844	35.32	100.976475	36.08
10	100.9929526	35.32	100.9931433	36.11
11	101.0096209	35.32	101.0098115	36.17
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13	101.0429574	35.32	101.0431481	36.17
14	101.0596256	35.32	101.0598164	36.14
15	101.0762939	35.32	101.0764847	36.2
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18	101.1262987	35.32	101.1264895	36.08
19	101.1429669	35.32	101.1431578	36.11
20	101.1596352	35.32	101.1598261	36.11
21	101.1763034	35.32	101.1764944	36.2
22	101.1929717	35.32	101.1931627	36.22
23	101.2096399	35.32	101.209831	36.17
24	101.2263082	35.32	101.2264993	36.2
25	101.2429764	35.32	101.2431675	36.08
26	101.2596447	35.32	101.2598358	36.11
27	101.2763129	35.32	101.2765041	36.11
28	101.2929812	35.32	101.2931724	36.08
29	101.3096495	35.32	101.3098407	36.14
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33	101.3763225	35.32	101.3765138	36.08
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36	101.4263272	35.32	101.4265187	36.08
37	101.4429955	35.32	101.443187	36.11
38	101.4596637	35.32	101.4598553	36.11
39	101.476332	35.32	101.4765235	36.08
40	101.4930003	35.32	101.4931918	36.11
41	101.5096685	35.32	101.5098601	36.11
42	101.5263368	35.32	101.5265284	36.08
43	101.543005	35.32	101.5431967	36.25
44	101.5596733	35.33	101.559865	36.2
45	101.5763415	35.32	101.5765333	36.17
46	101.5930098	35.33	101.5932015	36.02
47	101.609678	35.33	101.6098698	36.22
48	101.6263463	35.33	101.6265381	36.2
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3	101.6596828	35.33	101.6598747	36.08
4	101.6763511	35.33	101.676543	36.11
5	101.6930193	35.33	101.6932113	36.14
6	101.7096876	35.33	101.7098795	36.17
7	101.7263558	35.33	101.7265478	36.22
8	101.7430241	35.33	101.7432161	36.2
9	101.7596923	35.33	101.7598844	36.02
10	101.7763606	35.33	101.7765527	36.14
11	101.7930288	35.33	101.793221	36.11
12	101.8096971	35.33	101.8098893	36.08
13	101.8263653	35.33	101.8265575	36.14
14	101.8430336	35.33	101.8432258	36.11
15	101.8597018	35.33	101.8598941	36.11
16	101.8763701	35.33	101.8765624	36.14
17	101.8930384	35.33	101.8932307	36.11
18	101.9097066	35.33	101.909899	36.08
19	101.9263749	35.33	101.9265673	36.14
20	101.9430431	35.33	101.9432355	36.11
21	101.9597114	35.33	101.9599038	36.08
22	101.9763796	35.33	101.9765721	36.14
23	101.9930479	35.33	101.9932404	36.14
24	102.0097161	35.33	102.0099087	36.08
25	102.0263844	35.33	102.026577	36.2
26	102.0430526	35.33	102.0432453	36.22
27	102.0597209	35.32	102.0599135	36.2
28	102.0763892	35.32	102.0765818	36.25
29	102.0930574	35.32	102.0932501	36.22
30	102.1097257	35.33	102.1099184	36.2
31	102.1263939	35.33	102.1265867	36.28
32	102.1430622	35.32	102.143255	36.14
33	102.1597304	35.32	102.1599233	36.08
34	102.1763987	35.32	102.1765915	36.14
35	102.1930669	35.32	102.1932598	36.2
36	102.2097352	35.32	102.2099281	36.2
37	102.2264034	35.32	102.2265964	36.22
38	102.2430717	35.32	102.2432647	36.11
39	102.25974	35.32	102.259933	36.14
40	102.2764082	35.32	102.2766013	36.11
41	102.2930765	35.32	102.2932695	36.14
42	102.3097447	35.32	102.3099378	36.11
43	102.326413	35.32	102.3266061	36.11
44	102.3430812	35.32	102.3432744	36.14
45	102.3597495	35.32	102.3599427	36.11
46	102.3764177	35.32	102.376611	36.14
47	102.393086	35.32	102.3932793	36.11
48	102.4097542	35.32	102.4099475	36.11
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3	102.4430907	35.33	102.4432841	36.08
4	102.459759	35.32	102.4599524	36.14
5	102.4764273	35.33	102.4766207	36.11
6	102.4930955	35.33	102.493289	36.2
7	102.5097638	35.33	102.5099573	36.22
8	102.526432	35.33	102.5266255	36.2
9	102.5431003	35.33	102.5432938	36.2
10	102.5597685	35.33	102.5599621	36.25
11	102.5764368	35.33	102.5766304	36.2
12	102.593105	35.33	102.5932987	36.11
13	102.6097733	35.33	102.609967	36.14
14	102.6264415	35.33	102.6266353	36.11
15	102.6431098	35.33	102.6433035	36.2
16	102.6597781	35.33	102.6599718	36.22
17	102.6764463	35.33	102.6766401	36.2
18	102.6931146	35.33	102.6933084	36.11
19	102.7097828	35.33	102.7099767	36.14
20	102.7264511	35.33	102.726645	36.11
21	102.7431193	35.33	102.7433133	36.14
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23	102.7764558	35.33	102.7766498	36.11
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25	102.8097923	35.33	102.8099864	36.14
26	102.8264606	35.33	102.8266547	36.11
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28	102.8597971	35.33	102.8599913	36.14
29	102.8764654	35.33	102.8766595	36.11
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31	102.9098019	35.34	102.9099961	36.11
32	102.9264701	35.34	102.9266644	36.25
33	102.9431384	35.34	102.9433327	36.2
34	102.9598066	35.34	102.960001	36.2
35	102.9764749	35.34	102.9766693	36.25
36	102.9931431	35.34	102.9933375	36.2
37	103.0098114	35.34	103.0100058	36.22
38	103.0264796	35.34	103.0266741	36.14
39	103.0431479	35.34	103.0433424	36.11
40	103.0598162	35.34	103.0600107	36.17
41	103.0764844	35.34	103.076679	36.22
42	103.0931527	35.34	103.0933473	36.2
43	103.1098209	35.34	103.1100155	36.14
44	103.1264892	35.34	103.1266838	36.11
45	103.1431574	35.34	103.1433521	36.11
46	103.1598257	35.34	103.1600204	36.17
47	103.1764939	35.34	103.1766887	36.11
48	103.1931622	35.35	103.193357	36.14
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3	103.2264987	35.35	103.2266935	36.11
4	103.243167	35.35	103.2433618	36.14
5	103.2598352	35.35	103.2600301	36.17
6	103.2765035	35.35	103.2766984	36.11
7	103.2931717	35.35	103.2933667	36.11
8	103.30984	35.35	103.310035	36.17
9	103.3265082	35.35	103.3267033	36.11
10	103.3431765	35.35	103.3433715	36.22
11	103.3598447	35.36	103.3600398	36.25
12	103.376513	35.36	103.3767081	36.2
13	103.3931812	35.36	103.3933764	36.22
14	103.4098495	35.36	103.4100447	36.25
15	103.4265177	35.36	103.426713	36.31
16	103.443186	35.36	103.4433813	36.14
17	103.4598543	35.36	103.4600495	36.17
18	103.4765225	35.37	103.4767178	36.2
19	103.4931908	35.37	103.4933861	36.22
20	103.509859	35.37	103.5100544	36.22
21	103.5265273	35.37	103.5267227	36.11
22	103.5431955	35.37	103.543391	36.17
23	103.5598638	35.37	103.5600593	36.14
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27	103.6265368	35.38	103.6267324	36.17
28	103.6432051	35.38	103.6434007	36.14
29	103.6598733	35.38	103.660069	36.11
30	103.6765416	35.38	103.6767373	36.17
31	103.6932098	35.38	103.6934055	36.14
32	103.7098781	35.38	103.7100738	36.14
33	103.7265463	35.38	103.7267421	36.14
34	103.7432146	35.38	103.7434104	36.2
35	103.7598828	35.38	103.7600787	36.22
36	103.7765511	35.38	103.776747	36.31
37	103.7932193	35.38	103.7934153	36.22
38	103.8098876	35.38	103.8100835	36.28
39	103.8265559	35.38	103.8267518	36.14
40	103.8432241	35.38	103.8434201	36.14
41	103.8598924	35.38	103.8600884	36.28
42	103.8765606	35.38	103.8767567	36.2
43	103.8932289	35.38	103.893425	36.25
44	103.9098971	35.38	103.9100933	36.17
45	103.9265654	35.38	103.9267615	36.14
46	103.9432336	35.38	103.9434298	36.17
47	103.9599019	35.38	103.9600981	36.17
48	103.9765701	35.39	103.9767664	36.14
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3	104.0099066	35.38	104.010103	36.14
4	104.0265749	35.38	104.0267713	36.14
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6	104.0599114	35.39	104.0601078	36.17
7	104.0765797	35.39	104.0767761	36.14
8	104.0932479	35.39	104.0934444	36.14
9	104.1099162	35.39	104.1101127	36.17
10	104.1265844	35.39	104.126781	36.22
11	104.1432527	35.39	104.1434493	36.25
12	104.1599209	35.39	104.1601175	36.34
13	104.1765892	35.39	104.1767858	36.22
14	104.1932574	35.39	104.1934541	36.28
15	104.2099257	35.4	104.2101224	36.14
16	104.226594	35.4	104.2267907	36.17
17	104.2432622	35.4	104.243459	36.14
18	104.2599305	35.4	104.2601273	36.22
19	104.2765987	35.4	104.2767955	36.25
20	104.293267	35.4	104.2934638	36.28
21	104.3099352	35.4	104.3101321	36.17
22	104.3266035	35.4	104.3268004	36.14
23	104.3432717	35.4	104.3434687	36.17
24	104.35994	35.4	104.360137	36.14
25	104.3766082	35.4	104.3768053	36.14
26	104.3932765	35.41	104.3934735	36.17
27	104.4099448	35.41	104.4101418	36.14
28	104.426613	35.41	104.4268101	36.17
29	104.4432813	35.41	104.4434784	36.17
30	104.4599495	35.41	104.4601467	36.14
31	104.4766178	35.41	104.476815	36.17
32	104.493286	35.41	104.4934833	36.17
33	104.5099543	35.41	104.5101515	36.22
34	104.5266225	35.41	104.5268198	36.25
35	104.5432908	35.41	104.5434881	36.43
36	104.559959	35.41	104.5601564	36.22
37	104.5766273	35.42	104.5768247	36.25
38	104.5932955	35.42	104.593493	36.2
39	104.6099638	35.42	104.6101613	36.14
40	104.6266321	35.42	104.6268295	36.2
41	104.6433003	35.42	104.6434978	36.25
42	104.6599686	35.42	104.6601661	36.22
43	104.6766368	35.42	104.6768344	36.17
44	104.6933051	35.42	104.6935027	36.17
45	104.7099733	35.42	104.710171	36.14
46	104.7266416	35.42	104.7268393	36.2
47	104.7433098	35.42	104.7435075	36.17
48	104.7599781	35.42	104.7601758	36.14
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3	104.7933146	35.42	104.7935124	36.14
4	104.8099829	35.42	104.8101807	36.17
5	104.8266511	35.42	104.826849	36.17
6	104.8433194	35.42	104.8435173	36.14
7	104.8599876	35.42	104.8601855	36.2
8	104.8766559	35.42	104.8768538	36.22
9	104.8933241	35.42	104.8935221	36.22
10	104.9099924	35.42	104.9101904	36.25
11	104.9266606	35.43	104.9268587	36.22
12	104.9433289	35.43	104.943527	36.28
13	104.9599971	35.43	104.9601953	36.14
14	104.9766654	35.43	104.9768635	36.14
15	104.9933337	35.43	104.9935318	36.28
16	105.0100019	35.43	105.0102001	36.22
17	105.0266702	35.43	105.0268684	36.22
18	105.0433384	35.43	105.0435367	36.17
19	105.0600067	35.43	105.060205	36.14
20	105.0766749	35.43	105.0768733	36.2
21	105.0933432	35.43	105.0935415	36.14
22	105.1100114	35.43	105.1102098	36.14
23	105.1266797	35.43	105.1268781	36.2
24	105.1433479	35.43	105.1435464	36.14
25	105.1600162	35.43	105.1602147	36.17
26	105.1766844	35.43	105.176883	36.17
27	105.1933527	35.43	105.1935513	36.14
28	105.210021	35.43	105.2102195	36.2
29	105.2266892	35.43	105.2268878	36.17
30	105.2433575	35.43	105.2435561	36.22
31	105.2600257	35.43	105.2602244	36.25
32	105.276694	35.43	105.2768927	36.05
33	105.2933622	35.43	105.293561	36.22
34	105.3100305	35.43	105.3102293	36.25
35	105.3266987	35.43	105.3268975	36.2
36	105.3433367	35.43	105.3435658	36.14
37	105.3600352	35.43	105.3602341	36.25
38	105.3767035	35.43	105.3769024	36.28
39	105.3933718	35.43	105.3935707	36.28
40	105.41004	35.43	105.410239	36.14
41	105.4267083	35.43	105.4269073	36.17
42	105.4433765	35.43	105.4435755	36.2
43	105.4600448	35.43	105.4602438	36.17
44	105.476713	35.43	105.4769121	36.14
45	105.4933813	35.43	105.4935804	36.2
46	105.5100495	35.43	105.5102487	36.17
47	105.5267178	35.43	105.526917	36.14
48	105.543386	35.43	105.5435853	36.17
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3	105.5767226	35.43	105.5769218	36.14
4	105.5933908	35.43	105.5935901	36.17
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6	105.6267273	35.43	105.6269267	36.14
7	105.6433956	35.43	105.643595	36.25
8	105.6600638	35.43	105.6602633	36.25
9	105.6767321	35.43	105.6769315	36.08
10	105.6934003	35.43	105.6935998	36.28
11	105.7100686	35.43	105.7102681	36.25
12	105.7267368	35.43	105.7269364	36.14
13	105.7434051	35.43	105.7436047	36.2
14	105.7600733	35.43	105.760273	36.28
15	105.7767416	35.43	105.7769413	36.22
16	105.7934099	35.44	105.7936095	36.28
17	105.8100781	35.44	105.8102778	36.25
18	105.8267464	35.44	105.8269461	36.11
19	105.8434146	35.44	105.8436144	36.2
20	105.8600829	35.44	105.8602827	36.14
21	105.8767511	35.44	105.876951	36.17
22	105.8934194	35.44	105.8936193	36.2
23	105.9100876	35.44	105.9102875	36.14
24	105.9267559	35.44	105.9269558	36.17
25	105.9434241	35.44	105.9436241	36.17
26	105.9600924	35.44	105.9602924	36.14
27	105.9767607	35.44	105.9769607	36.2
28	105.9934289	35.44	105.993629	36.17
29	106.0100972	35.44	106.0102973	36.17
30	106.0267654	35.44	106.0269655	36.2
31	106.0434337	35.44	106.0436338	36.14
32	106.0601019	35.44	106.0603021	36.17
33	106.0767702	35.44	106.0769704	36.25
34	106.0934384	35.44	106.0936387	36.22
35	106.1101067	35.44	106.110307	36.25
36	106.1267749	35.44	106.1269753	36.28
37	106.1434432	35.44	106.1436435	36.22
38	106.1601114	35.44	106.1603118	36.14
39	106.1767797	35.44	106.1769801	36.17
40	106.193448	35.44	106.1936484	36.14
41	106.2101162	35.44	106.2103167	36.25
42	106.2267845	35.44	106.226985	36.25
43	106.2434527	35.44	106.2436533	36.34
44	106.260121	35.44	106.2603215	36.17
45	106.2767892	35.44	106.2769898	36.2
46	106.2934575	35.44	106.2936581	36.17
47	106.3101257	35.44	106.3103264	36.14
48	106.326794	35.45	106.3269947	36.17
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3	106.3601305	35.45	106.3603313	36.17
4	106.3767988	35.44	106.3769995	36.17
5	106.393467	35.44	106.3936678	36.14
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7	106.4101353	35.44	106.4103361	36.2
8	106.4268035	35.44	106.4270044	36.17
9	106.4434718	35.44	106.4436727	36.14
10	106.46014	35.44	106.460341	36.25
11	106.4768083	35.44	106.4770093	36.22
12	106.4934765	35.44	106.4936775	36.4
13				
14	106.5101448	35.44	106.5103458	36.25
15	106.526813	35.44	106.5270141	36.25
16	106.5434813	35.44	106.5436824	36.17
17	106.5601496	35.44	106.5603507	36.14
18	106.5768178	35.44	106.577019	36.25
19				
20	106.5934861	35.44	106.5936873	36.22
21	106.6101543	35.44	106.6103555	36.28
22	106.6268226	35.44	106.6270238	36.14
23				
24	106.6434908	35.44	106.6436921	36.17
25	106.6601591	35.44	106.6603604	36.14
26	106.6768273	35.44	106.6770287	36.17
27	106.6934956	35.44	106.693697	36.17
28	106.7101638	35.44	106.7103653	36.14
29				
30	106.7268321	35.44	106.7270335	36.17
31	106.7435003	35.44	106.7437018	36.17
32	106.7601686	35.44	106.7603701	36.14
33	106.7768369	35.44	106.7770384	36.2
34	106.7935051	35.44	106.7937067	36.14
35				
36	106.8101734	35.44	106.810375	36.14
37	106.8268416	35.44	106.8270433	36.25
38	106.8435099	35.44	106.8437115	36.22
39	106.8601781	35.44	106.8603798	36.2
40	106.8768464	35.44	106.8770481	36.28
41	106.8935146	35.44	106.8937164	36.28
42				
43	106.9101829	35.44	106.9103847	36.14
44	106.9268511	35.44	106.927053	36.17
45	106.9435194	35.44	106.9437213	36.22
46	106.9601877	35.44	106.9603895	36.25
47	106.9768559	35.44	106.9770578	36.17
48				
49	106.9935242	35.44	106.9937261	36.14
50	107.0101924	35.44	107.0103944	36.17
51	107.0268607	35.44	107.0270627	36.17
52	107.0435289	35.44	107.043731	36.14
53				
54	107.0601972	35.44	107.0603993	36.17
55	107.0768654	35.44	107.0770675	36.14
56	107.0935337	35.44	107.0937358	36.17
57	107.1102019	35.44	107.1104041	36.17
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3	107.1435385	35.44	107.1437407	36.17
4	107.1602067	35.44	107.160409	36.17
5	107.176875	35.44	107.1770773	36.28
6				
7	107.1935432	35.43	107.1937455	36.25
8	107.2102115	35.43	107.2104138	36.17
9	107.2268797	35.43	107.2270821	36.25
10	107.243548	35.43	107.2437504	36.25
11	107.2602162	35.43	107.2604187	36.14
12	107.2768845	35.43	107.277087	36.2
13				
14	107.2935527	35.43	107.2937553	36.22
15	107.310221	35.43	107.3104235	36.22
16	107.3268892	35.43	107.3270918	36.28
17	107.3435575	35.43	107.3437601	36.14
18	107.3602258	35.43	107.3604284	36.2
19				
20	107.376894	35.43	107.3770967	36.14
21	107.3935623	35.43	107.393765	36.14
22	107.4102305	35.42	107.4104333	36.17
23	107.4268988	35.42	107.4271015	36.14
24				
25	107.443567	35.42	107.4437698	36.17
26	107.4602353	35.42	107.4604381	36.14
27	107.4769035	35.42	107.4771064	36.14
28	107.4935718	35.42	107.4937747	36.17
29				
30	107.51024	35.42	107.510443	36.14
31	107.5269083	35.42	107.5271113	36.25
32	107.5435766	35.42	107.5437795	36.22
33	107.5602448	35.42	107.5604478	36.22
34	107.5769131	35.42	107.5771161	36.25
35	107.5935813	35.42	107.5937844	36.2
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37	107.6102496	35.42	107.6104527	36.17
38	107.6269178	35.42	107.627121	36.14
39	107.6435861	35.42	107.6437893	36.25
40	107.6602543	35.42	107.6604575	36.25
41	107.6769226	35.42	107.6771258	36.17
42	107.6935908	35.42	107.6937941	36.17
43	107.7102591	35.42	107.7104624	36.17
44	107.7269274	35.42	107.7271307	36.17
45	107.7435956	35.42	107.743799	36.14
46	107.7602639	35.42	107.7604673	36.17
47	107.7769321	35.42	107.7771355	36.14
48	107.7936004	35.42	107.7938038	36.17
49	107.8102686	35.42	107.8104721	36.14
50	107.8269369	35.42	107.8271404	36.17
51	107.8436051	35.42	107.8438087	36.17
52	107.8602734	35.42	107.860477	36.22
53	107.8769416	35.42	107.8771453	36.25
54	107.8936099	35.42	107.8938135	36.25
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3	107.9269464	35.42	107.9271501	36.14
4	107.9436147	35.42	107.9438184	36.17
5	107.9602829	35.42	107.9604867	36.14
6	107.9769512	35.42	107.977155	36.22
7	107.9936194	35.42	107.9938233	36.25
8	108.0102877	35.42	108.0104915	36.17
9	108.0269559	35.42	108.0271598	36.14
10	108.0436242	35.42	108.0438281	36.17
11	108.0602924	35.42	108.0604964	36.14
12	108.0769607	35.42	108.0771647	36.17
13	108.0936289	35.42	108.093833	36.14
14	108.1102972	35.42	108.1105013	36.14
15	108.1269655	35.42	108.1271695	36.17
16	108.1436337	35.42	108.1438378	36.14
17	108.160302	35.42	108.1605061	36.2
18	108.1769702	35.42	108.1771744	36.14
19	108.1936385	35.42	108.1938427	36.25
20	108.2103067	35.42	108.210511	36.22
21	108.226975	35.42	108.2271793	36.37
22	108.2436432	35.42	108.2438475	36.22
23	108.2603115	35.41	108.2605158	36.28
24	108.2769797	35.41	108.2771841	36.14
25	108.293648	35.41	108.2938524	36.14
26	108.3103163	35.41	108.3105207	36.25
27	108.3269845	35.41	108.327189	36.22
28	108.3436528	35.41	108.3438573	36.14
29	108.360321	35.41	108.3605255	36.14
30	108.3769893	35.41	108.3771938	36.14
31	108.3936575	35.41	108.3938621	36.17
32	108.4103258	35.41	108.4105304	36.14
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35	108.4603305	35.41	108.4605353	36.14
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39	108.5270036	35.41	108.5272084	36.17
40	108.5436718	35.41	108.5438767	36.22
41	108.5603401	35.41	108.560545	36.25
42	108.5770083	35.41	108.5772133	36.22
43	108.5936766	35.41	108.5938815	36.28
44	108.6103448	35.41	108.6105498	36.08
45	108.6270131	35.41	108.6272181	36.17
46	108.6436813	35.41	108.6438864	36.14
47	108.6603496	35.41	108.6605547	36.25
48	108.6770178	35.41	108.677223	36.22
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3	108.7103544	35.41	108.7105595	36.17
4	108.7270226	35.41	108.7272278	36.14
5	108.7436909	35.41	108.7438961	36.17
6	108.7603591	35.41	108.7605644	36.17
7	108.7770274	35.41	108.7772327	36.14
9	108.7936956	35.41	108.793901	36.2
10	108.8103639	35.41	108.8105693	36.14
11	108.8270321	35.41	108.8272375	36.17
12	108.8437004	35.41	108.8439058	36.17
13	108.8603686	35.41	108.8605741	36.25
14	108.8770369	35.41	108.8772424	36.25
15	108.8937052	35.41	108.8939107	36.2
16	108.9103734	35.41	108.910579	36.25
17	108.9270417	35.41	108.9272473	36.25
18	108.9437099	35.41	108.9439155	36.14
19	108.9603782	35.41	108.9605838	36.17
20	108.9770464	35.41	108.9772521	36.25
21	108.9937147	35.41	108.9939204	36.22
22	109.0103829	35.41	109.0105887	36.17
23	109.0270512	35.41	109.027257	36.14
24	109.0437194	35.41	109.0439253	36.14
25	109.0603877	35.41	109.0605935	36.17
26	109.0770559	35.41	109.0772618	36.14
27	109.0937242	35.41	109.0939301	36.17
28	109.1103925	35.41	109.1105984	36.17
29	109.1270607	35.41	109.1272667	36.14
30	109.143729	35.41	109.143935	36.17
31	109.1603972	35.41	109.1606033	36.14
32	109.1770655	35.41	109.1772715	36.14
33	109.1937337	35.41	109.1939398	36.25
34	109.210402	35.41	109.2106081	36.17
35	109.2270702	35.41	109.2272764	36.25
36	109.2437385	35.42	109.2439447	36.25
37	109.2604067	35.42	109.260613	36.14
38	109.277075	35.42	109.2772813	36.2
39	109.2937433	35.42	109.2939495	36.22
40	109.3104115	35.42	109.3106178	36.25
41	109.3270798	35.42	109.3272861	36.14
42	109.343748	35.42	109.3439544	36.17
43	109.3604163	35.42	109.3606227	36.17
44	109.3770845	35.42	109.377291	36.14
45	109.3937528	35.42	109.3939593	36.2
46	109.410421	35.42	109.4106276	36.14
47	109.4270893	35.42	109.4272958	36.14
48	109.4437575	35.42	109.4439641	36.17
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5	109.5270988	35.43	109.5273056	36.2
6	109.5437671	35.43	109.5439738	36.25
7	109.5604353	35.43	109.5606421	36.17
8	109.5771036	35.43	109.5773104	36.17
9	109.5937718	35.43	109.5939787	36.11
10	109.6104401	35.43	109.610647	36.22
11	109.6271083	35.43	109.6273153	36.25
12	109.6437766	35.43	109.6439836	36.14
13	109.6604448	35.43	109.6606518	36.17
14	109.6771131	35.43	109.6773201	36.14
15	109.6937814	35.43	109.6939884	36.14
16	109.7104496	35.44	109.7106567	36.17
17	109.7271179	35.44	109.727325	36.14
18	109.7437861	35.44	109.7439933	36.17
19	109.7604544	35.44	109.7606616	36.14
20	109.7771226	35.44	109.7773298	36.14
21	109.7937909	35.44	109.7939981	36.28
22	109.8104591	35.44	109.8106664	36.22
23	109.8271274	35.44	109.8273347	36.28
24	109.8437956	35.44	109.844003	36.22
25	109.8604639	35.44	109.8606713	36.17
26	109.8771322	35.44	109.8773396	36.14
27	109.8938004	35.44	109.8940078	36.22
28	109.9104687	35.44	109.9106761	36.25
29	109.9271369	35.44	109.9273444	36.14
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31	109.9604734	35.44	109.960681	36.17
32	109.9771417	35.44	109.9773493	36.14
33	109.9938099	35.44	109.9940176	36.17
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35	110.0271464	35.45	110.0273541	36.14
36	110.0438147	35.45	110.0440224	36.17
37	110.0604829	35.45	110.0606907	36.14
38	110.0771512	35.45	110.077359	36.22
39	110.0938195	35.45	110.0940273	36.25
40	110.1104877	35.45	110.1106956	35.99
41	110.127156	35.45	110.1273638	36.22
42	110.1438242	35.45	110.1440321	36.14
43	110.1604925	35.45	110.1607004	36.14
44	110.1771607	35.45	110.1773687	36.28
45	110.193829	35.45	110.194037	36.25
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48	110.2438337	35.45	110.2440418	36.14
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3	110.2771703	35.45	110.2773784	36.17
4	110.2938385	35.45	110.2940467	36.14
5	110.3105068	35.46	110.310715	36.14
6				
7	110.327175	35.45	110.3273833	36.17
8	110.3438433	35.45	110.3440516	36.14
9	110.3605115	35.45	110.3607198	36.17
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11	110.393848	35.45	110.3940564	36.25
12	110.4105163	35.45	110.4107247	36.22
13				
14	110.4271845	35.45	110.427393	36.31
15	110.4438528	35.45	110.4440613	36.14
16	110.4605211	35.45	110.4607296	36.28
17	110.4771893	35.45	110.4773978	36.22
18				
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20	110.5105258	35.45	110.5107344	36.17
21	110.5271941	35.45	110.5274027	36.14
22	110.5438623	35.45	110.544071	36.14
23				
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25	110.5771988	35.45	110.5774076	36.14
26	110.5938671	35.45	110.5940758	36.14
27	110.6105353	35.45	110.6107441	36.17
28	110.6272036	35.44	110.6274124	36.14
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32	110.6772084	35.44	110.6774173	36.25
33	110.6938766	35.44	110.6940856	36.25
34	110.7105449	35.44	110.7107538	36.14
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38	110.7605496	35.44	110.7607587	36.11
39	110.7772179	35.44	110.777427	36.14
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42	110.8105544	35.44	110.8107636	36.14
43	110.8272226	35.44	110.8274318	36.14
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46	110.8772274	35.44	110.8774367	36.14
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49	110.9105639	35.44	110.9107733	36.11
50	110.9272322	35.44	110.9274416	36.22
51	110.9439004	35.44	110.9441098	36.25
52	110.9605687	35.44	110.9607781	36.25
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55	110.9939052	35.44	110.9941147	36.14
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58	111.0272417	35.44	111.0274513	36.11
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9	111.1439195	35.44	111.1441293	36.14
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11	111.177256	35.44	111.1774658	36.22
12	111.1939242	35.44	111.1941341	36.25
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17	111.2605973	35.44	111.2608073	36.25
18	111.2772655	35.44	111.2774756	36.22
19				
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22	111.3272703	35.44	111.3274804	36.14
23				
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26	111.377275	35.43	111.3774853	36.2
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28	111.4106115	35.43	111.4108218	36.17
29	111.4272798	35.43	111.4274901	36.17
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31	111.4606163	35.43	111.4608267	36.25
32	111.4772846	35.43	111.477495	36.25
33				
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36	111.5272893	35.43	111.5274998	36.22
37				
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40	111.5772941	35.43	111.5775047	36.14
41	111.5939623	35.43	111.594173	36.17
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56	111.8106496	35.43	111.8108607	36.17
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5	111.8773227	35.43	111.8775338	36.17
6	111.8939909	35.43	111.8942021	36.14
7	111.9106592	35.43	111.9108704	36.17
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9	111.9439957	35.43	111.944207	36.17
10	111.9606639	35.43	111.9608753	36.25
11	111.9773322	35.43	111.9775436	36.22
12	111.9940004	35.43	111.9942118	36.25
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15	112.0440052	35.43	112.0442167	36.2
16	112.0606735	35.43	112.060885	36.25
17	112.0773417	35.43	112.0775533	36.28
18	112.09401	35.43	112.0942216	36.2
19	112.1106782	35.43	112.1108898	36.17
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22	112.160683	35.43	112.1608947	36.17
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26	112.227356	35.43	112.2275678	36.14
27	112.2440243	35.43	112.2442361	36.25
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29	112.2773608	35.43	112.2775727	36.25
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31	112.3106973	35.43	112.3109093	36.2
32	112.3273655	35.43	112.3275776	36.22
33	112.3440338	35.43	112.3442458	36.25
34	112.360702	35.43	112.3609141	36.2
35	112.3773703	35.43	112.3775824	36.14
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37	112.4107068	35.44	112.410919	36.2
38	112.4273751	35.44	112.4275873	36.17
39	112.4440433	35.44	112.4442556	36.17
40	112.4607116	35.44	112.4609238	36.2
41	112.4773798	35.44	112.4775921	36.17
42	112.4940481	35.44	112.4942604	36.14
43	112.5107163	35.44	112.5109287	36.25
44	112.5273846	35.44	112.527597	36.25
45	112.5440528	35.44	112.5442653	36.25
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6	112.6773989	35.44	112.6776116	36.17
7	112.6940671	35.44	112.6942798	36.17
8	112.7107354	35.44	112.7109481	36.2
9	112.7274036	35.44	112.7276164	36.17
10	112.7440719	35.44	112.7442847	36.2
11	112.7607401	35.44	112.760953	36.17
12	112.7774084	35.45	112.7776213	36.17
13	112.7940766	35.45	112.7942896	36.2
14	112.8107449	35.45	112.8109578	36.14
15	112.8274132	35.45	112.8276261	36.2
16	112.8440814	35.45	112.8442944	36.17
17	112.8607497	35.45	112.8609627	36.22
18	112.8774179	35.45	112.877631	36.25
19	112.8940862	35.45	112.8942993	36.22
20	112.9107544	35.45	112.9109676	36.14
21	112.9274227	35.45	112.9276358	36.28
22	112.9440909	35.45	112.9443041	36.25
23	112.9607592	35.45	112.9609724	36.28
24	112.9774274	35.45	112.9776407	36.2
25	112.9940957	35.46	112.994309	36.17
26	113.010764	35.46	113.0109773	36.2
27	113.0274322	35.46	113.0276456	36.17
28	113.0441005	35.46	113.0443138	36.25
29	113.0607687	35.46	113.0609821	36.28
30	113.077437	35.46	113.0776504	36.25
31	113.0941052	35.46	113.0943187	36.28
32	113.1107735	35.46	113.110987	36.2
33	113.1274417	35.46	113.1276553	36.17
34	113.14411	35.46	113.1443236	36.2
35	113.1607782	35.47	113.1609918	36.2
36	113.1774465	35.47	113.1776601	36.17
37	113.1941148	35.47	113.1943284	36.2
38	113.210783	35.47	113.2109967	36.17
39	113.2274513	35.47	113.227665	36.17
40	113.2441195	35.47	113.2443333	36.2
41	113.2607878	35.47	113.2610016	36.17
42	113.277456	35.47	113.2776698	36.2
43	113.2941243	35.47	113.2943381	36.17
44	113.3107925	35.47	113.3110064	36.2
45	113.3274608	35.47	113.3276747	36.2
46	113.344129	35.47	113.344343	36.17
47	113.3607973	35.48	113.3610113	36.2
48	113.3774655	35.48	113.3776796	36.17
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3	113.4108021	35.48	113.4110161	36.17
4	113.4274703	35.48	113.4276844	36.2
5	113.4441386	35.48	113.4443527	36.2
6				
7	113.4608068	35.48	113.461021	36.17
8	113.4774751	35.48	113.4776893	36.22
9	113.4941433	35.48	113.4943576	36.17
10	113.5108116	35.49	113.5110258	36.2
11	113.5274798	35.49	113.5276941	36.2
12	113.5441481	35.49	113.5443624	36.17
13				
14	113.5608163	35.49	113.5610307	36.2
15	113.5774846	35.49	113.577699	36.25
16	113.5941529	35.49	113.5943673	36.22
17				
18	113.6108211	35.49	113.6110356	36.28
19	113.6274894	35.49	113.6277038	36.22
20	113.6441576	35.49	113.6443721	36.28
21	113.6608259	35.49	113.6610404	36.34
22	113.6774941	35.49	113.6777087	36.28
23				
24	113.6941624	35.49	113.694377	36.28
25	113.7108306	35.49	113.7110453	36.25
26	113.7274989	35.49	113.7277136	36.31
27	113.7441671	35.5	113.7443818	36.28
28	113.7608354	35.5	113.7610501	36.37
29				
30	113.7775037	35.5	113.7777184	36.2
31	113.7941719	35.5	113.7943867	36.2
32	113.8108402	35.5	113.811055	36.2
33	113.8275084	35.5	113.8277233	36.17
34	113.8441767	35.5	113.8443916	36.2
35				
36	113.8608449	35.5	113.8610598	36.22
37	113.8775132	35.5	113.8777281	36.25
38	113.8941814	35.5	113.8943964	36.31
39	113.9108497	35.5	113.9110647	36.28
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41	113.9275179	35.5	113.927733	36.25
42	113.9441862	35.5	113.9444013	36.28
43	113.9608544	35.5	113.9610696	36.28
44	113.9775227	35.5	113.9777378	36.14
45	113.994191	35.5	113.9944061	36.2
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47	114.0108592	35.5	114.0110744	36.22
48	114.0275275	35.5	114.0277427	36.2
49	114.0441957	35.5	114.044411	36.17
50	114.060864	35.49	114.0610793	36.2
51	114.0775322	35.5	114.0777476	36.2
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53	114.0942005	35.49	114.0944158	36.17
54	114.1108687	35.49	114.1110841	36.17
55	114.127537	35.49	114.1277524	36.22
56	114.1442052	35.5	114.1444207	36.2
57				
58	114.1608735	35.49	114.161089	36.17
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3	114.19421	35.49	114.1944256	36.2
4	114.2108783	35.49	114.2110938	36.17
5	114.2275465	35.49	114.2277621	36.22
6	114.2442148	35.5	114.2444304	36.17
7	114.260883	35.5	114.2610987	36.2
8	114.2775513	35.5	114.277767	36.2
9	114.2942195	35.5	114.2944353	36.17
10	114.3108878	35.5	114.3111036	36.22
11	114.327556	35.5	114.3277718	36.17
12	114.3442243	35.5	114.3444401	36.2
13	114.3608926	35.5	114.3611084	36.2
14	114.3775608	35.5	114.3777767	36.2
15	114.3942291	35.5	114.394445	36.2
16	114.4108973	35.5	114.4111133	36.2
17	114.4275656	35.5	114.4277816	36.2
18	114.4442338	35.5	114.4444498	36.22
19	114.4609021	35.5	114.4611181	36.2
20	114.4775703	35.5	114.4777864	36.2
21	114.4942386	35.5	114.4944547	36.22
22	114.5109068	35.5	114.511123	36.2
23	114.5275751	35.5	114.5277913	36.2
24	114.5442433	35.5	114.5444596	36.2
25	114.5609116	35.5	114.5611278	36.17
26	114.5775799	35.5	114.5777961	36.22
27	114.5942481	35.5	114.5944644	36.2
28	114.6109164	35.5	114.6111327	36.2
29	114.6275846	35.5	114.627801	36.2
30	114.6442529	35.5	114.6444693	36.2
31	114.6609211	35.5	114.6611376	36.22
32	114.6775894	35.5	114.6778058	36.17
33	114.6942576	35.5	114.6944741	36.22
34	114.7109259	35.5	114.7111424	36.2
35	114.7275941	35.5	114.7278107	36.2
36	114.7442624	35.5	114.744479	36.22
37	114.7609307	35.5	114.7611473	36.17
38	114.7775989	35.51	114.7778156	36.2
39	114.7942672	35.51	114.7944838	36.22
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41	114.8276037	35.51	114.8278204	36.2
42	114.8442719	35.51	114.8444887	36.2
43	114.8609402	35.51	114.861157	36.17
44	114.8776084	35.51	114.8778253	36.22
45	114.8942767	35.51	114.8944936	36.2
46	114.9109449	35.51	114.9111618	36.2
47	114.9276132	35.51	114.9278301	36.22
48	114.9442815	35.51	114.9444984	36.2
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3	114.977618	35.51	114.977835	36.2
4	114.9942862	35.51	114.9945033	36.2
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6	115.0276227	35.51	115.0278398	36.17
7	115.044291	35.51	115.0445081	36.22
8	115.0609592	35.51	115.0611764	36.17
9	115.0776275	35.51	115.0778447	36.31
10	115.0942957	35.51	115.094513	36.28
11	115.110964	35.51	115.1111813	36.25
12	115.1276322	35.51	115.1278496	36.28
13	115.1443005	35.51	115.1445178	36.25
14	115.1609688	35.51	115.1611861	36.25
15	115.177637	35.51	115.1778544	36.28
16	115.1943053	35.51	115.1945227	36.22
17	115.2109735	35.51	115.211191	36.28
18	115.2276418	35.51	115.2278593	36.28
19	115.24431	35.51	115.2445276	36.25
20	115.2609783	35.51	115.2611958	36.28
21	115.2776465	35.51	115.2778641	36.25
22	115.2943148	35.51	115.2945324	36.25
23	115.310983	35.51	115.3112007	36.28
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25	115.3443196	35.51	115.3445373	36.25
26	115.3609878	35.51	115.3612056	36.25
27	115.3776561	35.51	115.3778738	36.4
28	115.3943243	35.51	115.3945421	36.37
29	115.4109926	35.51	115.4112104	36.28
30	115.4276608	35.52	115.4278787	36.2
31	115.4443291	35.52	115.444547	36.31
32	115.4609973	35.52	115.4612153	36.34
33	115.4776656	35.52	115.4778836	36.28
34	115.4943338	35.52	115.4945518	36.28
35	115.5110021	35.52	115.5112201	36.31
36	115.5276703	35.52	115.5278884	36.28
37	115.5443386	35.52	115.5445567	36.31
38	115.5610069	35.52	115.561225	36.31
39	115.5776751	35.52	115.5778933	36.28
40	115.5943434	35.52	115.5945616	36.31
41	115.6110116	35.52	115.6112298	36.31
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43	115.6443481	35.52	115.6445664	36.31
44	115.6610164	35.52	115.6612347	36.31
45	115.6776846	35.51	115.677903	36.28
46	115.6943529	35.51	115.6945713	36.31
47	115.7110211	35.51	115.7112396	36.31
48	115.7276894	35.5	115.7279078	36.28
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3	115.7610259	35.49	115.7612444	36.31
4	115.7776942	35.48	115.7779127	36.28
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6	115.8110307	35.47	115.8112493	36.28
7	115.8276989	35.46	115.8279176	36.25
8	115.8443672	35.46	115.8445858	36.22
9	115.8610354	35.45	115.8612541	36.14
10	115.8777037	35.45	115.8779224	36.22
11	115.8943719	35.44	115.8945907	36.22
12	115.9110402	35.44	115.911259	36.2
13	115.9277085	35.43	115.9279273	36.22
14	115.9443767	35.43	115.9445956	36.2
15	115.961045	35.43	115.9612638	36.2
16	115.9777132	35.42	115.9779321	36.22
17	115.9943815	35.42	115.9946004	36.2
18	116.0110497	35.42	116.0112687	36.22
19	116.027718	35.42	116.027937	36.22
20	116.0443862	35.42	116.0446053	36.2
21	116.0610545	35.42	116.0612736	36.22
22	116.0777227	35.42	116.0779418	36.25
23	116.094391	35.42	116.0946101	36.2
24	116.1110592	35.42	116.1112784	36.22
25	116.1277275	35.42	116.1279467	36.22
26	116.1443958	35.42	116.144615	36.22
27	116.161064	35.42	116.1612833	36.2
28	116.1777323	35.42	116.1779516	36.25
29	116.1944005	35.42	116.1946198	36.2
30	116.2110688	35.42	116.2112881	36.22
31	116.227737	35.42	116.2279564	36.22
32	116.2444053	35.42	116.2446247	36.2
33	116.2610735	35.42	116.261293	36.22
34	116.2777418	35.42	116.2779613	36.22
35	116.29441	35.42	116.2946296	36.2
36	116.3110783	35.42	116.3112978	36.25
37	116.3277466	35.42	116.3279661	36.2
38	116.3444148	35.42	116.3446344	36.22
39	116.3610831	35.42	116.3613027	36.22
40	116.3777513	35.43	116.377971	36.2
41	116.3944196	35.43	116.3946393	36.22
42	116.4110878	35.43	116.4113076	36.22
43	116.4277561	35.42	116.4279758	36.2
44	116.4444243	35.43	116.4446441	36.22
45	116.4610926	35.42	116.4613124	36.25
46	116.4777608	35.42	116.4779807	36.2
47	116.4944291	35.42	116.494649	36.22
48	116.5110974	35.43	116.5113173	36.22
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3	116.5444339	35.43	116.5446538	36.22
4	116.5611021	35.43	116.5613221	36.22
5	116.5777704	35.43	116.5779904	36.2
6	116.5944386	35.43	116.5946587	36.25
7	116.6111069	35.43	116.611327	36.22
8	116.6277751	35.43	116.6279953	36.22
9	116.6444434	35.43	116.6446636	36.25
10	116.6611116	35.43	116.6613318	36.2
11	116.6777799	35.43	116.6780001	36.22
12	116.6944481	35.43	116.6946684	36.22
13	116.7111164	35.43	116.7113367	36.22
14	116.7277847	35.43	116.728005	36.25
15	116.7444529	35.43	116.7446733	36.2
16	116.7611212	35.43	116.7613416	36.25
17	116.7777894	35.44	116.7780098	36.22
18	116.7944577	35.44	116.7946781	36.22
19	116.8111259	35.44	116.8113464	36.25
20	116.8277942	35.44	116.8280147	36.2
21	116.8444624	35.44	116.844683	36.25
22	116.8611307	35.44	116.8613513	36.22
23	116.8777989	35.44	116.8780196	36.2
24	116.8944672	35.44	116.8946878	36.25
25	116.9111355	35.44	116.9113561	36.22
26	116.9278037	35.44	116.9280244	36.22
27	116.944472	35.44	116.9446927	36.25
28	116.9611402	35.44	116.961361	36.22
29	116.9778085	35.44	116.9780293	36.25
30	116.9944767	35.44	116.9946976	36.22
31	117.0111145	35.44	117.0113658	36.22
32	117.0278132	35.44	117.0280341	36.25
33	117.0444815	35.44	117.0447024	36.22
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35	117.077818	35.44	117.078039	36.22
36	117.0944863	35.44	117.0947073	36.22
37	117.1111545	35.44	117.1113756	36.25
38	117.1278228	35.44	117.1280438	36.22
39	117.144491	35.44	117.1447121	36.28
40	117.1611593	35.45	117.1613804	36.2
41	117.1778275	35.45	117.1780487	36.25
42	117.1944958	35.45	117.194717	36.22
43	117.211164	35.45	117.2113853	36.22
44	117.2278323	35.45	117.2280536	36.22
45	117.2445005	35.45	117.2447218	36.22
46	117.2611688	35.45	117.2613901	36.28
47	117.277837	35.45	117.2780584	36.17
48	117.2945053	35.45	117.2947267	36.25
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3	117.3278418	35.45	117.3280633	36.25
4	117.3445101	35.45	117.3447316	36.4
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6	117.3778466	35.45	117.3780681	36.34
7	117.3945148	35.45	117.3947364	36.37
8	117.4111831	35.45	117.4114047	36.31
9	117.4278513	35.45	117.428073	36.34
10	117.4445196	35.45	117.4447413	36.37
11	117.4611878	35.45	117.4614096	36.31
12	117.4778561	35.45	117.4780778	36.34
13	117.4945244	35.45	117.4947461	36.37
14	117.5111926	35.45	117.5114144	36.31
15	117.5278609	35.45	117.5280827	36.34
16	117.5445291	35.45	117.544751	36.37
17	117.5611974	35.45	117.5614193	36.31
18	117.5778656	35.45	117.5780876	36.34
19	117.5945339	35.45	117.5947558	36.34
20	117.6112021	35.45	117.6114241	36.34
21	117.6278704	35.45	117.6280924	36.37
22	117.6445386	35.45	117.6447607	36.34
23	117.6612069	35.45	117.661429	36.34
24	117.6778752	35.45	117.6780973	36.37
25	117.6945434	35.45	117.6947656	36.34
26	117.7112117	35.45	117.7114338	36.34
27	117.7278799	35.45	117.7281021	36.4
28	117.7445482	35.45	117.7447704	36.37
29	117.7612164	35.45	117.7614387	36.34
30	117.7778847	35.45	117.778107	36.37
31	117.7945529	35.45	117.7947753	36.31
32	117.8112212	35.45	117.8114436	36.43
33	117.8278894	35.45	117.8281118	36.22
34	117.8445577	35.45	117.8447801	36.22
35	117.8612259	35.45	117.8614484	36.46
36	117.8778942	35.45	117.8781167	36.17
37	117.8945625	35.45	117.894785	36.31
38	117.9112307	35.45	117.9114533	36.37
39	117.927899	35.45	117.9281216	36.28
40	117.9445672	35.45	117.9447898	36.34
41	117.9612355	35.46	117.9614581	36.31
42	117.9779037	35.46	117.9781264	36.31
43	117.994572	35.46	117.9947947	36.34
44	118.0112402	35.45	118.011463	36.31
45	118.0279085	35.45	118.0281313	36.31
46	118.0445767	35.46	118.0447996	36.34
47	118.061245	35.46	118.0614678	36.34
48	118.0779133	35.46	118.0781361	36.31
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3	118.1112498	35.45	118.1114727	36.34
4	118.127918	35.45	118.128141	36.31
5	118.1445863	35.45	118.1448093	36.31
6	118.1612545	35.45	118.1614776	36.34
7	118.1779228	35.45	118.1781458	36.31
9	118.194591	35.46	118.1948141	36.34
10	118.2112593	35.45	118.2114824	36.34
11	118.2279275	35.45	118.2281507	36.31
12	118.2445958	35.45	118.244819	36.34
13	118.2612641	35.45	118.2614873	36.31
14	118.2779323	35.45	118.2781556	36.2
15	118.2946006	35.45	118.2948238	36.4
16	118.3112688	35.46	118.3114921	36.34
17	118.3279371	35.46	118.3281604	36.37
18	118.3446053	35.46	118.3448287	36.34
19	118.3612736	35.46	118.361497	36.34
20	118.3779418	35.46	118.3781653	36.37
21	118.3946101	35.46	118.3948336	36.22
22	118.4112783	35.46	118.4115018	36.34
23	118.4279466	35.46	118.4281701	36.34
24	118.4446148	35.46	118.4448384	36.37
25	118.4612831	35.46	118.4615067	36.34
26	118.4779514	35.46	118.478175	36.37
27	118.4946196	35.46	118.4948433	36.37
28	118.5112879	35.46	118.5115116	36.34
29	118.5279561	35.46	118.5281798	36.37
30	118.5446244	35.46	118.5448481	36.34
31	118.5612926	35.46	118.5615164	36.4
32	118.5779609	35.46	118.5781847	36.34
33	118.5946291	35.46	118.594853	36.37
34	118.6112974	35.46	118.6115213	36.4
35	118.6279656	35.46	118.6281896	36.34
36	118.6446339	35.46	118.6448578	36.37
37	118.6613022	35.46	118.6615261	36.25
38	118.6779704	35.46	118.6781944	36.25
39	118.6946387	35.46	118.6948627	36.28
40	118.7113069	35.46	118.711531	36.28
41	118.7279752	35.46	118.7281993	36.28
42	118.7446434	35.46	118.7448676	36.28
43	118.7613117	35.46	118.7615358	36.25
44	118.7779799	35.46	118.7782041	36.28
45	118.7946482	35.46	118.7948724	36.28
46	118.8113164	35.46	118.8115407	36.25
47	118.8279847	35.46	118.828209	36.31
48	118.8446529	35.46	118.8448773	36.22
49	118.8613212	35.46	118.8615456	36.31

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2	118.8779895	35.46	118.8782138	36.28
3	118.8946577	35.46	118.8948821	36.22
4	118.911326	35.46	118.9115504	36.28
5	118.9279942	35.46	118.9282187	36.31
6	118.9446625	35.46	118.944887	36.2
7	118.9613307	35.46	118.9615553	36.25
8	118.977999	35.46	118.9782236	36.34
9	118.9946672	35.46	118.9948918	36.22
10	119.0113355	35.46	119.0115601	36.31
11	119.0280037	35.46	119.0282284	36.28
12	119.044672	35.46	119.0448967	36.25
13	119.0613403	35.46	119.061565	36.31
14	119.0780085	35.46	119.0782333	36.25
15	119.0946768	35.46	119.0949016	36.28
16	119.111345	35.46	119.1115698	36.31
17	119.1280133	35.46	119.1282381	36.25
18	119.1446815	35.46	119.1449064	36.28
19	119.1613498	35.46	119.1615747	36.28
20	119.178018	35.46	119.178243	36.25
21	119.1946863	35.46	119.1949113	36.31
22	119.2113545	35.46	119.2115796	36.25
23	119.2280228	35.46	119.2282478	36.28
24	119.2446911	35.46	119.2449161	36.31
25	119.2613593	35.46	119.2615844	36.25
26	119.2780276	35.47	119.2782527	36.28
27	119.2946958	35.47	119.294921	36.31
28	119.3113641	35.47	119.3115893	36.25
29	119.3280323	35.47	119.3282576	36.28
30	119.3447006	35.47	119.3449258	36.31
31	119.3613688	35.47	119.3615941	36.25
32	119.3780371	35.47	119.3782624	36.31
33	119.3947053	35.47	119.3949307	36.25
34	119.4113736	35.47	119.411599	36.28
35	119.4280418	35.47	119.4282673	36.28
36	119.4447101	35.47	119.4449356	36.25
37	119.4613784	35.47	119.4616038	36.31
38	119.4780466	35.47	119.4782721	36.25
39	119.4947149	35.47	119.4949404	36.31
40	119.5113831	35.47	119.5116087	36.28
41	119.5280514	35.47	119.528277	36.28
42	119.5447196	35.47	119.5449453	36.31
43	119.5613879	35.47	119.5616136	36.25
44	119.5780561	35.47	119.5782818	36.31
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46	119.6113926	35.47	119.6116184	36.28
47	119.6280609	35.47	119.6282867	36.31
48	119.6447292	35.47	119.644955	36.31
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3	119.6780657	35.47	119.6782916	36.4
4	119.6947339	35.47	119.6949598	36.34
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7	119.7447387	35.47	119.7449647	36.28
8	119.7614069	35.47	119.761633	36.31
9	119.7780752	35.47	119.7783013	36.28
10	119.7947434	35.47	119.7949696	36.31
11	119.8114117	35.47	119.8116378	36.28
12	119.82808	35.47	119.8283061	36.28
13	119.8447482	35.47	119.8449744	36.31
14	119.8614165	35.47	119.8616427	36.28
15	119.8780847	35.47	119.878311	36.31
16	119.894753	35.47	119.8949793	36.28
17	119.9114212	35.47	119.9116476	36.34
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19	119.9447577	35.47	119.9449841	36.31
20	119.961426	35.47	119.9616524	36.28
21	119.9780942	35.47	119.9783207	36.28
22	119.9947625	35.47	119.994989	36.34
23	120.0114307	35.47	120.0116573	36.28
24	120.028099	35.47	120.0283256	36.37
25	120.0447673	35.47	120.0449938	36.4
26	120.0614355	35.47	120.0616621	36.37
27	120.0781038	35.47	120.0783304	36.4
28	120.094772	35.47	120.0949987	36.43
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30	120.1281085	35.47	120.1283353	36.28
31	120.1447768	35.47	120.1450036	36.31
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34	120.1947815	35.47	120.1950084	36.37
35	120.2114498	35.47	120.2116767	36.31
36	120.2281181	35.47	120.228345	36.28
37	120.2447863	35.47	120.2450133	36.31
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39	120.2781228	35.47	120.2783498	36.28
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41	120.3114593	35.47	120.3116864	36.34
42	120.3281276	35.47	120.3283547	36.28
43	120.3447958	35.47	120.345023	36.31
44	120.3614641	35.47	120.3616913	36.28
45	120.3781323	35.47	120.3783596	36.31
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47	120.4114689	35.47	120.4116961	36.28
48	120.4281371	35.47	120.4283644	36.43
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8	120.5448149	35.47	120.5450424	36.34
9	120.5614831	35.47	120.5617107	36.37
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11	120.5948196	35.47	120.5950473	36.31
12	120.6114879	35.47	120.6117156	36.31
13	120.6281562	35.47	120.6283838	36.31
14	120.6448244	35.47	120.6450521	36.31
15	120.6614927	35.47	120.6617204	36.31
16	120.6781609	35.47	120.6783887	36.28
17	120.6948292	35.47	120.695057	36.34
18	120.7114974	35.48	120.7117253	36.31
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20	120.7448339	35.48	120.7450618	36.28
21	120.7615022	35.48	120.7617301	36.31
22	120.7781704	35.48	120.7783984	36.2
23	120.7948387	35.48	120.7950667	36.37
24	120.811507	35.48	120.811735	36.4
25	120.8281752	35.48	120.8284033	36.4
26	120.8448435	35.48	120.8450716	36.4
27	120.8615117	35.48	120.8617398	36.34
28	120.87818	35.48	120.8784081	36.28
29	120.8948482	35.48	120.8950764	36.25
30	120.9115165	35.48	120.9117447	36.4
31	120.9281847	35.48	120.928413	36.37
32	120.944853	35.48	120.9450813	36.31
33	120.9615212	35.48	120.9617496	36.34
34	120.9781895	35.48	120.9784178	36.31
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38	121.0448625	35.48	121.045091	36.28
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43	121.1282038	35.48	121.1284324	36.43
44	121.144872	35.48	121.1451007	36.4
45	121.1615403	35.48	121.161769	36.4
46	121.1782085	35.48	121.1784373	36.43
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3	121.2448816	35.48	121.2451104	36.4
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6	121.2948863	35.48	121.2951153	36.31
7	121.3115546	35.48	121.3117836	36.31
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9	121.3448911	35.48	121.3451201	36.31
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11	121.3782276	35.48	121.3784567	36.31
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13	121.4115641	35.48	121.4117933	36.34
14	121.4282324	35.48	121.4284616	36.31
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16	121.4615689	35.48	121.4617981	36.37
17	121.4782371	35.48	121.4784664	36.43
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19	121.5115736	35.48	121.511803	36.34
20	121.5282419	35.48	121.5284713	36.31
21	121.5449101	35.48	121.5451396	36.46
22	121.5615784	35.48	121.5618078	36.43
23	121.5782467	35.48	121.5784761	36.25
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25	121.6115832	35.48	121.6118127	36.31
26	121.6282514	35.48	121.628481	36.34
27	121.6449197	35.48	121.6451493	36.31
28	121.6615879	35.48	121.6618176	36.31
29	121.6782562	35.48	121.6784858	36.34
30	121.6949244	35.48	121.6951541	36.31
31	121.7115927	35.48	121.7118224	36.34
32	121.7282609	35.48	121.7284907	36.34
33	121.7449292	35.48	121.745159	36.31
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36	121.794934	35.49	121.7951638	36.4
37	121.8116022	35.49	121.8118321	36.46
38	121.8282705	35.49	121.8285004	36.31
39	121.8449387	35.49	121.8451687	36.31
40	121.861607	35.49	121.861837	36.43
41	121.8782752	35.49	121.8785053	36.4
42	121.8949435	35.49	121.8951736	36.31
43	121.9116117	35.49	121.9118418	36.37
44	121.92828	35.49	121.9285101	36.31
45	121.9449482	35.5	121.9451784	36.34
46	121.9616165	35.5	121.9618467	36.34
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48	121.994953	35.5	121.9951833	36.34
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5	122.061626	35.5	122.0618564	36.4
6	122.0782943	35.5	122.0785247	36.4
7	122.0949625	35.5	122.095193	36.46
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9	122.128299	35.5	122.1285296	36.37
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13	122.1949721	35.5	122.1952027	36.31
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27	122.4283276	35.51	122.4285587	36.37
28	122.4449959	35.51	122.445227	36.31
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30	122.4783324	35.51	122.4785636	36.4
31	122.4950006	35.51	122.4952319	36.31
32	122.5116689	35.51	122.5119001	36.37
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36	122.5783419	35.51	122.5785733	36.31
37	122.5950102	35.51	122.5952416	36.34
38	122.6116784	35.51	122.6119099	36.37
39	122.6283467	35.51	122.6285781	36.31
40	122.6450149	35.51	122.6452464	36.43
41	122.6616832	35.51	122.6619147	36.43
42	122.6783514	35.51	122.678583	36.43
43	122.6950197	35.51	122.6952513	36.46
44	122.7116879	35.51	122.7119196	36.34
45	122.7283562	35.51	122.7285879	36.34
46	122.7450244	35.51	122.7452561	36.43
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8	122.8783705	35.51	122.8786024	36.37
9	122.8950387	35.51	122.8952707	36.31
10	122.911707	35.51	122.911939	36.37
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17	123.0117165	35.51	123.0119487	36.34
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22	123.0783895	35.51	123.0786219	36.37
23				
24	123.0950578	35.51	123.0952901	36.34
25	123.111726	35.51	123.1119584	36.37
26	123.1283943	35.51	123.1286267	36.31
27	123.1450626	35.51	123.145295	36.37
28	123.1617308	35.51	123.1619633	36.34
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31	123.1950673	35.51	123.1952999	36.37
32	123.2117356	35.51	123.2119681	36.4
33	123.2284038	35.51	123.2286364	36.43
34	123.2450721	35.51	123.2453047	36.43
35				
36	123.2617403	35.51	123.261973	36.37
37	123.2784086	35.51	123.2786413	36.37
38	123.2950768	35.51	123.2953096	36.31
39	123.3117451	35.51	123.3119779	36.4
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42	123.3450816	35.51	123.3453144	36.37
43	123.3617499	35.51	123.3619827	36.34
44	123.3784181	35.51	123.378651	36.37
45	123.3950864	35.51	123.3953193	36.37
46				
47	123.4117546	35.51	123.4119876	36.34
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49	123.4450911	35.51	123.4453241	36.37
50	123.4617594	35.52	123.4619924	36.34
51	123.4784276	35.52	123.4786607	36.46
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53	123.4950959	35.52	123.495329	36.43
54	123.5117641	35.52	123.5119973	36.43
55	123.5284324	35.52	123.5286656	36.46
56	123.5451007	35.52	123.5453339	36.34
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58	123.5617689	35.52	123.5620021	36.37
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7	123.6617784	35.52	123.6620119	36.34
8	123.6784467	35.52	123.6786801	36.37
9	123.6951149	35.52	123.6953484	36.34
10	123.7117832	35.52	123.7120167	36.34
11	123.7284515	35.52	123.728685	36.37
12	123.7451197	35.52	123.7453533	36.43
13	123.761788	35.52	123.7620216	36.43
14	123.7784562	35.52	123.7786899	36.43
15	123.7951245	35.52	123.7953581	36.6
16	123.8117927	35.52	123.8120264	36.34
17	123.828461	35.53	123.8286947	36.46
18	123.8451292	35.53	123.845363	36.43
19	123.8617975	35.53	123.8620313	36.37
20	123.8784657	35.53	123.8786996	36.37
21	123.895134	35.53	123.8953679	36.34
22	123.9118022	35.53	123.9120361	36.37
23	123.9284705	35.53	123.9287044	36.34
24	123.9451388	35.53	123.9453727	36.37
25	123.961807	35.53	123.962041	36.37
26	123.9784753	35.53	123.9787093	36.34
27	123.9951435	35.53	123.9953776	36.37
28	124.0118118	35.53	124.0120459	36.43
29	124.02848	35.53	124.0287141	36.52
30	124.0451483	35.53	124.0453824	36.43
31	124.0618165	35.53	124.0620507	36.37
32	124.0784848	35.54	124.078719	36.34
33	124.095153	35.54	124.0953873	36.43
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35	124.1284896	35.54	124.1287239	36.34
36	124.1451578	35.54	124.1453921	36.37
37	124.1618261	35.54	124.1620604	36.37
38	124.1784943	35.54	124.1787287	36.34
39	124.1951626	35.54	124.195397	36.37
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42	124.2451673	35.54	124.2454019	36.4
43	124.2618356	35.54	124.2620701	36.37
44	124.2785038	35.54	124.2787384	36.43
45	124.2951721	35.54	124.2954067	36.46
46	124.3118404	35.54	124.312075	36.43
47	124.3285086	35.54	124.3287433	36.37
48	124.3451769	35.54	124.3454116	36.4
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3	124.3785134	35.54	124.3787481	36.46
4	124.3951816	35.54	124.3954164	36.37
5	124.4118499	35.54	124.4120847	36.37
6	124.4285181	35.54	124.428753	36.37
7	124.4451864	35.55	124.4454213	36.34
8	124.4618546	35.55	124.4620896	36.4
9	124.4785229	35.55	124.4787579	36.34
10	124.4951911	35.55	124.4954261	36.4
11	124.5118594	35.55	124.5120944	36.37
12	124.5285277	35.55	124.5287627	36.34
13	124.5451959	35.55	124.545431	36.46
14	124.5618642	35.55	124.5620993	36.46
15	124.5785324	35.55	124.5787676	36.49
16	124.5952007	35.55	124.5954359	36.34
17	124.6118689	35.55	124.6121041	36.37
18	124.6285372	35.55	124.6287724	36.43
19	124.6452054	35.55	124.6454407	36.52
20	124.6618737	35.55	124.662109	36.37
21	124.6785419	35.55	124.6787773	36.4
22	124.6952102	35.55	124.6954456	36.37
23	124.7118785	35.55	124.7121139	36.37
24	124.7285467	35.55	124.7287821	36.37
25	124.745215	35.55	124.7454504	36.37
26	124.7618832	35.55	124.7621187	36.4
27	124.7785515	35.55	124.778787	36.37
28	124.7952197	35.55	124.7954553	36.4
29	124.811888	35.55	124.8121236	36.43
30	124.8285562	35.55	124.8287919	36.49
31	124.8452245	35.55	124.8454601	36.49
32	124.8618927	35.55	124.8621284	36.37
33	124.878561	35.55	124.8787967	36.4
34	124.8952293	35.55	124.895465	36.46
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36	124.9285658	35.55	124.9288016	36.4
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38	124.9619023	35.55	124.9621381	36.37
39	124.9785705	35.55	124.9788064	36.4
40	124.9952388	35.55	124.9954747	36.34
41	125.011907	35.55	125.012143	36.4
42	125.0285753	35.55	125.0288113	36.4
43	125.0452435	35.55	125.0454796	36.37
44	125.0619118	35.55	125.0621479	36.49
45	125.07858	35.55	125.0788161	36.46
46	125.0952483	35.55	125.0954844	36.49
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48	125.1285848	35.55	125.128821	36.37
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3	125.1619213	35.55	125.1621576	36.49
4	125.1785896	35.55	125.1788259	36.37
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6	125.2119261	35.55	125.2121624	36.37
7	125.2285943	35.55	125.2288307	36.37
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9	125.2619308	35.55	125.2621673	36.37
10	125.2785991	35.55	125.2788356	36.49
11	125.2952674	35.55	125.2955039	36.49
12	125.3119356	35.55	125.3121721	36.37
13	125.3286039	35.55	125.3288404	36.49
14	125.3452721	35.55	125.3455087	36.4
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16	125.3786086	35.55	125.3788453	36.43
17	125.3952769	35.55	125.3955136	36.37
18	125.4119451	35.55	125.4121819	36.4
19	125.4286134	35.55	125.4288501	36.4
20	125.4452816	35.55	125.4455184	36.49
21	125.4619499	35.55	125.4621867	36.52
22	125.4786181	35.55	125.478855	36.37
23	125.4952864	35.55	125.4955233	36.49
24	125.5119547	35.55	125.5121916	36.4
25	125.5286229	35.55	125.5288599	36.43
26	125.5452912	35.55	125.5455281	36.37
27	125.5619594	35.55	125.5621964	36.43
28	125.5786277	35.55	125.5788647	36.37
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38	125.7453102	35.55	125.7455476	36.43
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41	125.795315	35.55	125.7955524	36.4
42	125.8119832	35.55	125.8122207	36.49
43	125.8286515	35.55	125.828889	36.43
44	125.8453197	35.55	125.8455573	36.4
45	125.861988	35.55	125.8622256	36.43
46	125.8786563	35.55	125.8788939	36.4
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48	125.9119928	35.55	125.9122304	36.52
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5	125.9786658	35.56	125.9789036	36.43
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11	126.062007	35.56	126.062245	36.49
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16	126.1286801	35.56	126.1289181	36.43
17	126.1453483	35.56	126.1455864	36.4
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22	126.2120213	35.56	126.2122596	36.55
23	126.2286896	35.56	126.2289279	36.43
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25	126.2620261	35.56	126.2622644	36.46
26	126.2786944	35.56	126.2789327	36.4
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30	126.3286991	35.56	126.3289376	36.43
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36	126.4287086	35.57	126.4289473	36.43
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38	126.4620452	35.57	126.4622839	36.46
39	126.4787134	35.57	126.4789521	36.52
40	126.4953817	35.57	126.4956204	36.55
41	126.5120499	35.57	126.5122887	36.46
42	126.5287182	35.57	126.528957	36.49
43	126.5453864	35.57	126.5456253	36.46
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45	126.5787229	35.57	126.5789619	36.43
46	126.5953912	35.57	126.5956301	36.49
47	126.6120594	35.57	126.6122984	36.52
48	126.6287277	35.57	126.6289667	36.55
49	126.6453959	35.57	126.645635	36.43
50	126.6620642	35.57	126.6623033	36.52
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52	126.6954007	35.57	126.6956399	36.43
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5	126.7620737	35.57	126.762313	36.52
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9	126.8120785	35.57	126.8123179	36.46
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11	126.845415	35.57	126.8456544	36.46
12	126.8620833	35.58	126.8623227	36.46
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15	126.8954198	35.58	126.8956593	36.57
16	126.912088	35.57	126.9123276	36.52
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18	126.9454245	35.57	126.9456641	36.46
19	126.9620928	35.58	126.9623324	36.46
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22	126.9954293	35.57	126.995669	36.43
23	127.0120975	35.57	127.0123373	36.49
24	127.0287658	35.57	127.0290056	36.55
25	127.0454341	35.57	127.0456739	36.55
26	127.0621023	35.57	127.0623421	36.49
27	127.0787706	35.57	127.0790104	36.4
28	127.0954388	35.58	127.0956787	36.46
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30	127.1121071	35.58	127.112347	36.46
31	127.1287753	35.58	127.1290153	36.46
32	127.1454436	35.58	127.1456836	36.49
33	127.1621118	35.58	127.1623519	36.55
34	127.1787801	35.58	127.1790201	36.55
35	127.1954483	35.58	127.1956884	36.49
36	127.2121166	35.58	127.2123567	36.57
37	127.2287848	35.58	127.229025	36.49
38	127.2454531	35.58	127.2456933	36.46
39	127.2621214	35.58	127.2623616	36.46
40	127.2787896	35.58	127.2790299	36.46
41	127.2954579	35.58	127.2956981	36.55
42	127.3121261	35.58	127.3123664	36.57
43	127.3287944	35.58	127.3290347	36.46
44	127.3454626	35.58	127.345703	36.57
45	127.3621309	35.58	127.3623713	36.46
46	127.3787991	35.58	127.3790396	36.46
47	127.3954674	35.58	127.3957079	36.46
48	127.4121356	35.58	127.4123761	36.46
49	127.4288039	35.58	127.4290444	36.57
50	127.4454722	35.58	127.4457127	36.55
51	127.4621404	35.58	127.462381	36.49
52	127.4788087	35.58	127.4790493	36.55
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3	127.5121452	35.59	127.5123859	36.46
4	127.5288134	35.59	127.5290541	36.49
5	127.5454817	35.59	127.5457224	36.46
6	127.5621499	35.59	127.5623907	36.55
7	127.5788182	35.59	127.579059	36.57
8	127.5954864	35.59	127.5957273	36.46
9	127.6121547	35.59	127.6123956	36.46
10	127.628823	35.59	127.6290639	36.46
11	127.6454912	35.59	127.6457321	36.52
12	127.6621595	35.59	127.6624004	36.46
13	127.6788277	35.59	127.6790687	36.49
14	127.695496	35.59	127.695737	36.57
15	127.7121642	35.59	127.7124053	36.69
16	127.7288325	35.59	127.7290736	36.57
17	127.7455007	35.59	127.7457419	36.46
18	127.762169	35.59	127.7624101	36.52
19	127.7788372	35.59	127.7790784	36.46
20	127.7955055	35.59	127.7957467	36.49
21	127.8121737	35.59	127.812415	36.57
22	127.828842	35.59	127.8290833	36.55
23	127.8455103	35.59	127.8457516	36.52
24	127.8621785	35.59	127.8624199	36.55
25	127.8788468	35.59	127.8790881	36.46
26	127.895515	35.59	127.8957564	36.52
27	127.9121833	35.59	127.9124247	36.49
28	127.9288515	35.59	127.929093	36.46
29	127.9455198	35.59	127.9457613	36.6
30	127.962188	35.59	127.9624296	36.57
31	127.9788563	35.59	127.9790979	36.46
32	127.9955245	35.59	127.9957661	36.57
33	128.0121928	35.59	128.0124344	36.49
34	128.0288611	35.59	128.0291027	36.46
35	128.0455293	35.59	128.045771	36.49
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37	128.0788658	35.59	128.0791076	36.57
38	128.0955341	35.59	128.0957759	36.6
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42	128.1622071	35.6	128.162449	36.49
43	128.1788753	35.6	128.1791173	36.49
44	128.1955436	35.6	128.1957856	36.46
45	128.2122118	35.6	128.2124539	36.57
46	128.2288801	35.6	128.2291221	36.46
47	128.2455484	35.6	128.2457904	36.57
48	128.2622166	35.6	128.2624587	36.49
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3	128.2955531	35.6	128.2957953	36.49
4	128.3122214	35.6	128.3124636	36.49
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8	128.3788944	35.61	128.3791367	36.52
9	128.3955626	35.61	128.395805	36.49
10	128.4122309	35.61	128.4124733	36.52
11	128.4288992	35.61	128.4291416	36.49
12	128.4455674	35.61	128.4458099	36.49
13	128.4622357	35.61	128.4624781	36.55
14	128.4789039	35.61	128.4791464	36.57
15	128.4955722	35.61	128.4958147	36.6
16	128.5122404	35.61	128.512483	36.46
17	128.5289087	35.61	128.5291513	36.57
18	128.5455769	35.61	128.5458196	36.55
19	128.5622452	35.61	128.5624879	36.49
20	128.5789134	35.61	128.5791561	36.52
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28	128.7122595	35.61	128.7125024	36.55
29	128.7289277	35.61	128.7291707	36.49
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31	128.7622642	35.61	128.7625073	36.57
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35	128.8289373	35.61	128.8291804	36.52
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37	128.8622738	35.61	128.862517	36.49
38	128.878942	35.61	128.8791853	36.52
39	128.8956103	35.61	128.8958536	36.49
40	128.9122785	35.61	128.9125219	36.49
41	128.9289468	35.61	128.9291901	36.52
42	128.945615	35.61	128.9458584	36.49
43	128.9622833	35.61	128.9625267	36.49
44	128.9789515	35.61	128.979195	36.52
45	128.9956198	35.61	128.9958633	36.49
46	129.0122881	35.61	129.0125316	36.52
47	129.0289563	35.61	129.0291999	36.49
48	129.0456246	35.61	129.0458681	36.49
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7	129.1456341	35.6	129.1458779	36.4
8	129.1623023	35.6	129.1625461	36.6
9	129.1789706	35.6	129.1792144	36.6
10	129.1956389	35.6	129.1958827	36.6
11	129.2123071	35.6	129.212551	36.6
12	129.2289754	35.6	129.2292193	36.75
13	129.2456436	35.6	129.2458876	36.46
14	129.2623119	35.6	129.2625559	36.49
15	129.2789801	35.6	129.2792241	36.52
16	129.2956484	35.6	129.2958924	36.49
17	129.3123166	35.6	129.3125607	36.52
18	129.3289849	35.6	129.329229	36.49
19	129.3456531	35.6	129.3458973	36.52
20	129.3623214	35.6	129.3625656	36.49
21	129.3789896	35.6	129.3792339	36.55
22	129.3956579	35.59	129.3959021	36.55
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24	129.4289944	35.59	129.4292387	36.52
25	129.4456627	35.59	129.445907	36.52
26	129.4623309	35.59	129.4625753	36.52
27	129.4789992	35.59	129.4792436	36.49
28	129.4956674	35.59	129.4959119	36.55
29	129.5123357	35.59	129.5125801	36.49
30	129.5290039	35.59	129.5292484	36.55
31	129.5456722	35.59	129.5459167	36.49
32	129.5623404	35.59	129.562585	36.52
33	129.5790087	35.59	129.5792533	36.52
34	129.595677	35.59	129.5959216	36.49
35	129.6123452	35.59	129.6125899	36.52
36	129.6290135	35.59	129.6292581	36.49
37	129.6456817	35.59	129.6459264	36.52
38	129.66235	35.59	129.6625947	36.49
39	129.6790182	35.59	129.679263	36.52
40	129.6956865	35.59	129.6959313	36.52
41	129.7123547	35.59	129.7125996	36.49
42	129.729023	35.59	129.7292679	36.55
43	129.7456912	35.59	129.7459361	36.49
44	129.7623595	35.59	129.7626044	36.52
45	129.7790278	35.59	129.7792727	36.52
46	129.795696	35.59	129.795941	36.49
47	129.8123643	35.59	129.8126093	36.55
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3	129.862369	35.59	129.8626141	36.52
4	129.8790373	35.59	129.8792824	36.49
5	129.8957055	35.59	129.8959507	36.52
6				
7	129.9123738	35.59	129.912619	36.49
8	129.929042	35.59	129.9292873	36.52
9	129.9457103	35.6	129.9459556	36.52
10	129.9623785	35.6	129.9626239	36.49
11	129.9790468	35.6	129.9792921	36.52
12	129.9957151	35.6	129.9959604	36.49
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14	130.0123833	35.6	130.0126287	36.52
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Raw Data

Hour 1			Hour 2			Hour 3			NTM VS F		
NTM	PM	AX	NTM	PM	AX	NTM	PM	AX	Hr 1 Avg	Hr 1 NTM-PM	Hr 2 Avg
34.3	34.5	34.7	35.6	35.4	35.7	35.8	36.15	36.3	34.4	-0.20	35.5
36.2	36	36.2	37.1	36.9	37	36.75	36.8	36.8	36.1	0.20	37
37.3	37.4	36.7	37.6	37.7	37.3	37.2	37.2	37	37.35	-0.40	37.65
37.2	37.2	36.7	37.25	37.05	36.6	37.3	36.9	36.8	37.2	0	37.15
37.2	37.4	37.1	37.3	37.5	37.2	38.2	38.15	37.7	37.3	-0.40	37.4
36.9	37.2	37	38.3	38.3	38.1	38.6	38.4	38.2	37.05	-0.40	38.3
36.6	36.6	36.8	38.05	37.8	37.9	37	37.2	37	36.6	0	37.925
35.7	35.7	35.7	36.5	36.5	36.6				35.7	0	36.5
36.6	36.6	36.2	37.05	37	36.4	37.2	37.2	36.8	36.6	0	37.025
37.2	37.2	37.2	37.9	37.7	37.7	38.3	38.4	38.4	37.2	0	37.8
36.8	36.8	37.3	38.5	37.9	37.9	37.3	37.2	36.3	36.8	0	38.2
35.8	36.6	36.6	36.6	36.8	36.8	36.9	37	36.9	36.2	-0.40	36.7
36.3	36.6	36.5	36.2	36.1	36.1	36	36.2	36.4	36.45	-0.40	36.15
37.1	37.2	37.5	36.4	36.6	36.9	36.4	36.6	36.5	37.15	-0.40	36.5
36.7	37.1	36.7	37.2	37.3	36.8	36.8	36.9	37.1	36.9	-0.40	37.25
34.8	34.9	34.9	35.4	35.2	34.8	35.3	35.5	35.3	34.85	-0.40	35.3
36.1	36.3	35.8	36.6	36.6	36.3	36.7	36.8	36.8	36.2	-0.40	36.6
36.8	37.2	36.7	37.4	37.3	37.3				37	-0.40	37.35
35.8	35.8	35.8	35.6	35.6	35.5				35.8	0	35.6
35.3	35.4	35	35.9	36	35.9				35.35	-0.40	35.95
36.9	37.3	37.3	37.2	37.1	36.7	36.7	36.9	36.9	37.1	-0.40	37.15
36.3	36.5	36.2	36.7	36.6	36.5				36.4	-0.40	36.65
36.2	36.5	36.7	36.9	36.9	36.7				36.35	-0.40	36.9
36.8	37.1	37.2	37.3	37.3	37.3	37.2	37.3	37.6	36.95	-0.40	37.3
36	36.3	36.7	37.2	37.3	36.8				36.15	-0.40	37.25
36.2	36.6	36.6	36.1	36.7	36.8				36.4	-0.40	36.4
36.2	36.2	35.7	36.4	36.4	35.7	36.4	36.4	35.8	36.2	0	36.4
36.4	36.3	35.9	36.4	36.6	36.7	37.4	37.2	37	36.35	0.40	36.5
37.6	37.7	36.9	37.5	37.4	37.1	37.7	37.6	36.8	37.65	-0.40	37.45

36.8	36.7	36.4	36.7	36.5	36.1				36.75	0.1	36.6
34.8	35.7	35.2	35.4	35.4	35.7	36.1	35.9	35.7	35.25	-0.055	35.4
37.9	37.9	37.8	38.3	37.8	38.4	37.9	38.2	37.9	37.9	0	38.05
36.2	36	36.2	36.7	36.6	36.3	37	36.8	36.5	36.1	0.1	36.65
37.1	37.4	36.5	37.9	38	37.5	38.1	38.1	37.9	37.25	-0.1	37.95
38.2	38.1	37.5	38	37.5	38.1	38.2	37.8	38.1	38.15	0.1	37.75

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Discrete Data for Bland Altman Fig 4CDE

Data Analysis for Plot

Patient Monitor			Patient Monitor vs Axillary					
Hr 2 NTM-PM	HR 3 Avg	Hr 3 NTM-PM	Hr 1 Avg	Hr 1 PM-AX	Hr 2 Avg	Hr 2 PM-AX	HR 3 Avg	Hr 3 PM-AX
0.2	35.975	-0.35	34.6	-0.2	35.55	-0.3	36.225	-0.15
0.2	36.775	-0.05	36.1	-0.2	36.95	-0.1	36.8	0
-0.1	37.2	0	37.05	0.7	37.5	0.4	37.1	0.2
0.2	37.1	0.4	36.95	0.5	36.825	0.45	36.85	0.1
-0.2	38.175	0.05	37.25	0.3	37.35	0.3	37.925	0.45
0	38.5	0.2	37.1	0.2	38.2	0.2	38.3	0.2
0.25	37.1	-0.2	36.7	-0.2	37.85	-0.1	37.1	0.2
0			35.7	0	36.55	-0.1		
0.05	37.2	0	36.4	0.4	36.7	0.6	37	0.4
0.2	38.35	-0.1	37.2	0	37.7	0	38.4	0
0.6	37.25	0.1	37.05	-0.5	37.9	0	36.75	0.9
-0.2	36.95	-0.1	36.6	0	36.8	0	36.95	0.1
0.1	36.1	-0.2	36.55	0.1	36.1	0	36.3	-0.2
-0.2	36.5	-0.2	37.35	-0.3	36.75	-0.3	36.55	0.1
-0.1	36.85	-0.1	36.9	0.4	37.05	0.5	37	-0.2
0.2	35.4	-0.2	34.9	0	35	0.4	35.4	0.2
0	36.75	-0.1	36.05	0.5	36.45	0.3	36.8	0
0.1			36.95	0.5	37.3	0		
0			35.8	0	35.55	0.1		
-0.1			35.2	0.4	35.95	0.1		
0.1	36.8	-0.2	37.3	0	36.9	0.4	36.9	0
0.1			36.35	0.3	36.55	0.1		
0			36.6	-0.2	36.8	0.2		
0	37.25	-0.1	37.15	-0.1	37.3	0	37.45	-0.3
-0.1			36.5	-0.4	37.05	0.5		
-0.6			36.6	0	36.75	-0.1		
0	36.4	0	35.95	0.5	36.05	0.7	36.1	0.6
-0.2	37.3	0.2	36.1	0.4	36.65	-0.1	37.1	0.2
0.1	37.65	0.1	37.3	0.8	37.25	0.3	37.2	0.8

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0.2			36.55	0.3	36.3	0.4		
0	36	0.2	35.45	0.5	35.55	-0.3	35.8	0.2
0.5	38.05	-0.3	37.85	0.1	38.1	-0.6	38.05	0.3
0.1	36.9	0.2	36.1	-0.2	36.45	0.3	36.65	0.3
-0.1	38.1	0	36.95	0.9	37.75	0.5	38	0.2
0.5	38	0.4	37.8	0.6	37.8	-0.6	37.95	-0.3

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NTM vs Axillary					
Hr 1 Avg	Hr 1 NTM-AX	Hr 2 Avg	Hr 2 NTM-AX	HR 3 Avg	Hr 3 NTM-AX
34.5	-0.4	35.65	-0.1	36.05	-0.5
36.2	0	37.05	0.1	36.775	-0.05
37	0.6	37.45	0.3	37.1	0.2
36.95	0.5	36.925	0.65	37.05	0.5
37.15	0.1	37.25	0.1	37.95	0.5
36.95	-0.1	38.2	0.2	38.4	0.4
36.7	-0.2	37.975	0.15	37	0
35.7	0	36.55	-0.1		
36.4	0.4	36.725	0.65	37	0.4
37.2	0	37.8	0.2	38.35	-0.1
37.05	-0.5	38.2	0.6	36.8	1
36.2	-0.8	36.7	-0.2	36.9	0
36.4	-0.2	36.15	0.1	36.2	-0.4
37.3	-0.4	36.65	-0.5	36.45	-0.1
36.7	0	37	0.4	36.95	-0.3
34.85	-0.1	35.1	0.6	35.3	0
35.95	0.3	36.45	0.3	36.75	-0.1
36.75	0.1	37.35	0.1		
35.8	0	35.55	0.1		
35.15	0.3	35.9	0		
37.1	-0.4	36.95	0.5	36.8	-0.2
36.25	0.1	36.6	0.2		
36.45	-0.5	36.8	0.2		
37	-0.4	37.3	0	37.4	-0.4
36.35	-0.7	37	0.4		
36.4	-0.4	36.45	-0.7		
35.95	0.5	36.05	0.7	36.1	0.6
36.15	0.5	36.55	-0.3	37.2	0.4
37.25	0.7	37.3	0.4	37.25	0.9

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36.6	0.4	36.4	0.6		
35	-0.4	35.55	-0.3	35.9	0.4
37.85	0.1	38.35	-0.1	37.9	0
36.2	0	36.5	0.4	36.75	0.5
36.8	0.6	37.7	0.4	38	0.2
37.85	0.7	38.05	-0.1	38.15	0.1

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