# CHAPTER 1

# INTRODUCTION

## 1.1 BACKGROUND OF STUDY

In telecommunication, a path profile is referred to as the physical features of a propagation path in the vertical plane containing both endpoints of the path, showing the surface of the Earth and including trees, buildings, and other features that may obstruct the radio signal, for cellular network or mobile network.(Federal Standard 1037C, 1996). These obstructions caused by buildings and terrain affects coverage areas and system performances is called path loss.

Path loss, or path attenuation, is the reduction in power density (attenuation) of an electromagnetic wave as it propagates through space. Path loss is a major component in the analysis and design of the link budget of a telecommunication system. (Thiele and Gary 1981).

This term is commonly used in wireless communications and signal propagation. Path loss may be due to many effects, such as free space, path loss refraction, diffraction, reflection, aperture-medium coupling loss, and absorption. Path loss is also influenced by terrain contours, environment (urban or rural, vegetation and foliage), propagation medium (dry or moist air), the distance between the transmitter and the receiver, and the height and location of antennas.

Path loss normally includes propagation losses caused by the natural expansion of the radio wave front in free space (which usually takes the shape of an ever-increasing sphere), absorption losses (sometimes called penetration losses), when the signal passes through media not transparent to electromagnetic waves, diffraction losses when part of the radio wave front is obstructed by an opaque obstacle, and losses caused by other phenomena.

The signal radiated by a transmitter may also travel along many and different paths to a receiver simultaneously; this effect is called multipath. Multipath waves combine at the receiver antenna, resulting in a received signal that may vary widely, depending on the distribution of the intensity and relative propagation time of the waves and bandwidth of the transmitted signal. The total power of interfering waves in a Rayleigh fading scenario varies quickly as a function of space (which is known as small scale fading). Small-scale fading refers to the rapid changes in radio signal amplitude in a short period of time or distance of travel.

In the study of wireless communications, path loss can be represented by the path loss exponent, whose value is normally in the range of 2 to 4 (where 2 is for propagation in free

space, 4 is for relatively lossy environments and for the case of full specular reflection from the earth surface—the so-called flat earth model). In some environments, such as buildings, stadiums and other indoor environments, the path loss exponent can reach values in the range of 4 to 6. On the other hand, a tunnel may act as a waveguide, resulting in a path loss exponent less than 2. (Stutzman Warren,1981)

Calculation of the path loss is usually called prediction. Exact prediction is possible only for simpler cases, such as free space propagation or the flat-earth model. For practical cases the path loss is calculated using a variety of approximations.

Statistical methods (also called stochastic or empirical) are based on measured and averaged losses along typical classes of radio links. Among the most commonly used such methods are Okumura–Hata, the COST Hata model, W.C.Y.Lee, etc. These are also known as radio wave propagation models and are typically used in the design of cellular networks and public land mobile networks (PLMN). For wireless communications in the very high frequency (VHF) and ultra high frequency (UHF) frequency band (the bands used by walkie-talkies, police, taxis and cellular phones), one of the most commonly used methods is that of Okumura–Hata as refined by the COST 231 project. Other well-known models are those of Walfisch–Ikegami, W. C. Y. Lee, and Erceg. For FM radio and TV broadcasting the path loss is most commonly predicted using the ITU model.

Deterministic methods based on the physical laws of wave propagation are also used; ray tracing is one such method. These methods are expected to produce more accurate and reliable predictions of the path loss than the empirical methods; however, they are significantly more expensive in computational effort and depend on the detailed and accurate description of all objects in the propagation space, such as buildings, roofs, windows, doors, and walls. For these reasons they are used predominantly for short propagation paths. Among the most commonly used methods in the design of radio equipment such as antennas and feeds is the finite-difference time-domain method.

The path loss in other frequency bands (medium wave (MW), shortwave (SW or HF), microwave (SHF)) is predicted with similar methods, though the concrete algorithms and formulas may be very different from those for VHF/UHF. Reliable prediction of the path loss in the SW/HF band is particularly difficult, and its accuracy is comparable to weather predictions. Path loss is usually expressed in dB. (Stutzman Warren,1981)

## 1.2 PROBLEM STATEMENT

Adequate documentation of a path profile for the university of Benin environment, specifically the faculty of engineering and its environs is not readily available

## 1.3 AIM AND OBJECTIVES

### 1.3.1 AIM

To determine Path profiles of two internet service providers A and B within faculty of engineering.

### 1.3.2 OBJECTIVES

- To determine the Received Signal Strength Indicator of service providers A and B.
- To determine the signal strength per distance of the two service providers.
- To determine the path loss of the received signals of the two service providers.

## 1.4 METHODOLOGY

The research is based on survey, theoretical modeling using received signal strength indicator application software to analyze signals.

## 1.5 SCOPE OF STUDY

This work is centered on a single base station containing two service providers within the faculty of engineering in the University of Benin.

# CHAPTER TWO

# LITERATURE REVIEW

## 2.1 DEFINITION OF TERMS

### 2.1.1 RECEIVED SIGNAL STRENGTH (R.S.S.I);

RSSI stands for Received Signal Strength Indicator. It is an estimated measure of power level that a RF client device is receiving from an access point or router.

At larger distances, the signal gets weaker and the wireless data rates get slower, leading to a lower overall data throughput. Signal is measured by the receive signal strength indicator (RSSI), which in most cases indicates how well a particular radio can hear the remote connected client radios.

### 2.1.2 CELL ID;

A GSM Cell ID (CID) is a generally unique number used to identify each base transceiver station (BTS) or sector of a BTS within a location area code (LAC) if not within a GSM network.

### 2.1.3 BASE STATION

Base station (or base radio station) is a term used in the context of mobile telephony, wireless computer networking and other wireless communications and in land surveying. In surveying, it is a GPS receiver at a known position, while in wireless communications it is a transceiver connecting a number of other devices to one another and/or to a wider area. In mobile telephony, it provides the connection between mobile phones and the wider telephone network. In a computer network, it is a transceiver acting as a switch for computers in the network, possibly connecting them to another local area network and/or the Internet.

### 2.1.4 2G (Second Generation)

2G (or 2-G) is short for second-generation cellular network. 2G technologies enabled the various networks to provide the services such as text messages, picture messages, and MMS (multimedia messages). All text messages sent over 2G are digitally encrypted, allowing the transfer of data in such a way that only the intended receiver can receive and read it.

2G networks are digital. Both systems use digital signaling to connect the radio towers

(which listen to the devices) to the rest of the mobile system.

With General Packet Radio Service (GPRS), 2G offers a theoretical maximum transfer speed of 40 kbit/s. With EDGE (Enhanced Data Rates for GSM Evolution), there is a theoretical maximum transfer speed of 384 kbit587/s.

### 2.1.5 3G (third Generation)

3G is the third generation of wireless mobile telecommunications technology. It is the upgrade for 2G and 2.5G GPRS networks, for faster data transfer speed.

3G telecommunication networks support services that provide an information transfer rate of at least 144 kbit/s. Later 3G releases often denoted 3.5G and 3.75G also provide mobile broadband access of several Mbit/s to smartphones and mobile modems in laptop computers. This ensures it can be applied to wireless voice telephony, mobile Internet access, fixed wireless Internet access, video calls and mobile TV technologies.

### 2.1.6 GLOBAL SYSTEM FOR MOBILE COMMUNICATION (GSM)

Gsm (global system for mobile communication is a digital mobile network that is widely used by mobile phone users around the world. GSM uses a variation of time division multiple access and is the most widely used of the three digital wireless, telephony technologies; TDMA, GSM and code division multiple access (CDMA). Gsm digitalizes and compresses data, then sends it down a channel with two other streams of user data, each in its own time slot. It operates at either 900 or 1800 MHz frequency band.

Gsm together with other technologies, is part of the evolution of wireless mobile telecommunication that include high speed circuit-switched data(HCSD), General packet radio service, enhanced data Gsm environment (EDGE) and universal mobile telecommunication system(UMTS).

### 2.1.7 UNIVERSAL MOBILE TELECOMMUNICATIONS SERVICE (UMTS)

Umts is a third generation (3G) broad band, packet- based transmission of text, digitalized voice, video and multimedia at data rates up to two megabits per seconds (mbps). Umts offers a consistent set of service to mobile computers and phone users, no matter where they are located in the world. Umts is based on Gsm communication standard. Umts offers a consistent set of service to mobile computer and phone users, no matter where they are located in the world.

## 2.2 TOOLS

### 2.2.1 MEASURING TAPE

A tape measure or measuring tape is a flexible ruler and used to measure distance.

It consists of a ribbon of cloth, plastic, fiber glass, or metal strip with linear-measurement markings. It is a common measuring tool. Its design allows for a measure of great length to be easily carried in pocket or toolkit and permits one to measure around curves or corners. Today it is ubiquitous, even appearing in miniature form as a keychain fob, or novelty item. Surveyors use tape measures in lengths of over 100 m.


**Fig 2.0** Measuring tape

### 2.2.2 CHALKS

A chalk is a soft compact calcite, with varying amount of silica which is used for marking, drawing or writing on a surface. It was used in marking out various points away from the base station.

**Fig 2.1** Chalk

### 2.2.3 STICKS

This is a wooden pole like structure which was used in marking points or distances at intervals on the soil away from the base station.

**Fig 2.2.** Sticks

## 2.3 RELATED WORKS

### 2.3.1 MEASUREMENTS OF RADIO WAVE SIGNAL STRENGTH AND PATH LOSS PROPAGATION USING EGLI MODEL.

Nawawi Bin Ismail (2017) carried out a research on the measurement of radio frequency (RF) signal strength in the field and interpreting the results as radio signal coverage. This work only centered on comparative analysis of Egli model for determining path loss.

### 2.3.2 EVALUATION AND ANALYSIS OF GSM SIGNALS IN WARRI.

Anamonye U. G. et al., (20l6) carried out a research comparison between the signal path-loss as predicted by the Free-space model and the Okumura-Hata model with values obtained through practical measurements. Their work only centered on comparative analysis of Okumura - Hata model and the free space model for determining path loss.

### 2.3.3 PERFORMANCE ANALYSIS OF GSM NETWORKS IN MINNA METROPOLIS OF NIGERIA.

Ozovehei and A. U. Usman (2015) carried out a research that discussed the performance of a cellular network in terms of key performance indicators (KPI) based on statistics, Generated from drive tests or network management systems. In this work the transmission frequency of the base station was not stated, the received signal strength at each location was not ascertained and the path loss was not determined.

### 2.3.4 COMPARISON OF SIGNAL STRENGTHS OF 2G/3G/4G SERVICES ON A UNIVERSITY CAMPUS.

Begüm Korunur and Çetin Kurnaz. (2016) carried out a research that aims to determine the signal strengths of three cellular system operators for 2G, 3G and 4G services. In this work the various propagation models they used were not discussed and the empirical and predicted path loss was not determined.

### 2.3.5 PERFORMANCE ANALYSIS OF GSM NETWORK (RELIANCE GSM) IN ALIGARH CITY, UP, INDIA

Rajesh Kumar Upadhyay. Et al. (2014) carried out a research talks about, two approaches used to evaluate the network performance, namely: key performance indicators (KPIs) and drive test. In this work the various propagation models were not discussed and the empirical and predicted path loss was not determined.

### 2.3.6 SURVIVABILITY ANALYSIS OF GSM NETWORK SYSTEMS

Qaysar S. Mahdi (2018) carried out a research that presents a methodology for availability assessment of GSM systems. The availability block diagram model is selected to model the system, taking into account the signal strength and signal covering overlaps exist in GSM systems. In this work the various propagation models were not discussed and the empirical and predicted path loss was not determined.

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# CHAPTER THREE

# 3.1 METHODOLOGY

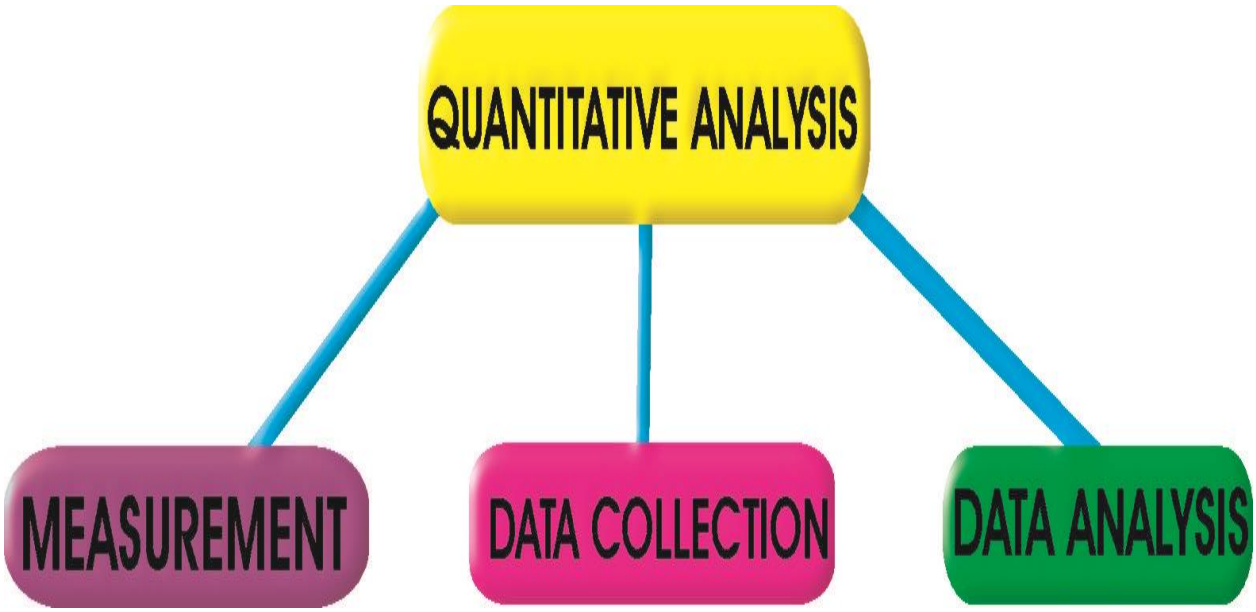


**Fig 3.0.** Block Diagram

### 3.1.1 MEASUREMENT

Measurements were taken at different points to be able to get readings at those intervals for data collection purposes.

### 3.1.2 DATA COLLECTION

This stage involved the extraction of data from the field at different points away from the base station.

### 3.1.3 DATA ANALYSIS

This stage involved the analysis of data gotten from the field in respect to the propagation model.

## 3.2 PROPAGATION MODEL

The most suitable propagation model selected for this project was the Okumura Hata model taking note of the environment of interest and its specification.

### 3.2.1 OKUMURA- HATA PROPAGATION MODEL

In mobile communications, the terrain between the transmitter and the receiver plays a very important role in determining the signal strength at the receiver. Okumura-Hata model is one of the popular models, especially used for urban or suburban areas. It is generally applied for frequencies in the range of 150 MHz - 1920 MHz, for a distance separation ranging from 1 km to 100 km, and for antenna heights from 30 m to 1000 m.

In the first form, the path-loss (in dB) is written as

$$\mathbf{PL = PL_{freespace} + A_{exc} + H_{cb} + H_{cm}}$$

Where PLfreespace is the Free-space path-loss, $A_{exc}$ is the excess path-loss (as a function of distance and frequency) for a BS height is $h_b$, and a MS height is $h_m$ . $H_{cb}$ and $H_{cm}$ are the correction factors that are provided in graphs. The more common form is a curve fitting of Okumura's original results. In that implementation, the path-loss is written as;

$$\mathbf{P_L = A + B \log (d) + C}$$

A, B, and C are factors that depend on frequency and antenna height.

$$\mathbf{A = 46.3 + 33.9 \log (f_c) - 13.82 \log (h_b) - a (h_m)}$$

$$\mathbf{B = 44.9 - 6.55 \log (h_b)}$$

Here $f_c$ is given in MHz and d in km.

The function a ($h_m$) and the factor C depend on the environment, which is suburban as related to the scope of study.

For suburban environment; $$C = -2\left[log\left(\frac{f_c}{28}\right)\right]^2 - 5.4$$

The function a ($h_m$) in suburban and rural areas is the same as for urban (small and medium-sized Cities) areas.

**For rural areas; $C = -4.78[\log (fc)]^2 + 18.33 \log (fc) - 40.98$**

## 3.3 THEORY BEHIND METHODOLOGY

Received signal strength (RSS) is a readily available and cost effective method of location estimation, or localization, in wireless local area network (WLAN) and GSM. It is represented as an average of signal received through different paths at a given location. The received signal strength is a function of distance between the transmitter and the receiving device, which varies due to various in-path interferences. It is used to measure

the power present in a received radio signal. Therefore, the higher the RSSI number, the stronger the signal vice versa.

## 3.4 MOBILE PHONE

Two mobile phones were used; A Xiaomi Pocopone and Infinix hot 6.

The **Xiaomi Pocophone** has a specification of 6 GB Ram, Android Os 8.1, Octa-Core processor.

The **Infinix hot 6** has a specification of 1 GB Ram, Android Os 8.0, Quad-Core processor.


**Fig 3.1 Xiaomi Pocophone**

**Fig 3.2 Infinix Hot 6**

Two mobile phones were used to get values to ensure accuracy. Measuring tapes (Fig. 2.3.1) was used to take readings at 2m intervals up to 2km as shown in the table at appendix.

**BASE STATION SPECIFICATIONS:**

**Height of the cell tower:** 45m

**Height of the mobile station;** 1.5m

**Frequency of transmission;** 1800 MHz for 3G and 900MHz for 2G

**Transmission power of the base station;** 25000mW

## 3.5 SOFTWARE

The methodology used in this project is based on comparative study, which the execution of this research is to obtain the Gsm data analysis to over various distance away from the base station using two application software such as net monitor and signal strength. This programs were selected because of their easy use and installation. These programs run on android and ios mobile phones.

### 3.5.1 SIGNAL STRENGTH APPLICATION SOFTWARE

Signal strength application software is an innovative. Gsm signal analyzer that gives good coverage analysis for Gsm communication networks at a short period of time and it is cost effective. It has a clear and intuitive interface where to display the various cell towers and signals strength at different points from the base station. The software was used to capture information such as; cell-id, Rssi, lac e.t.c. it is an android application software.

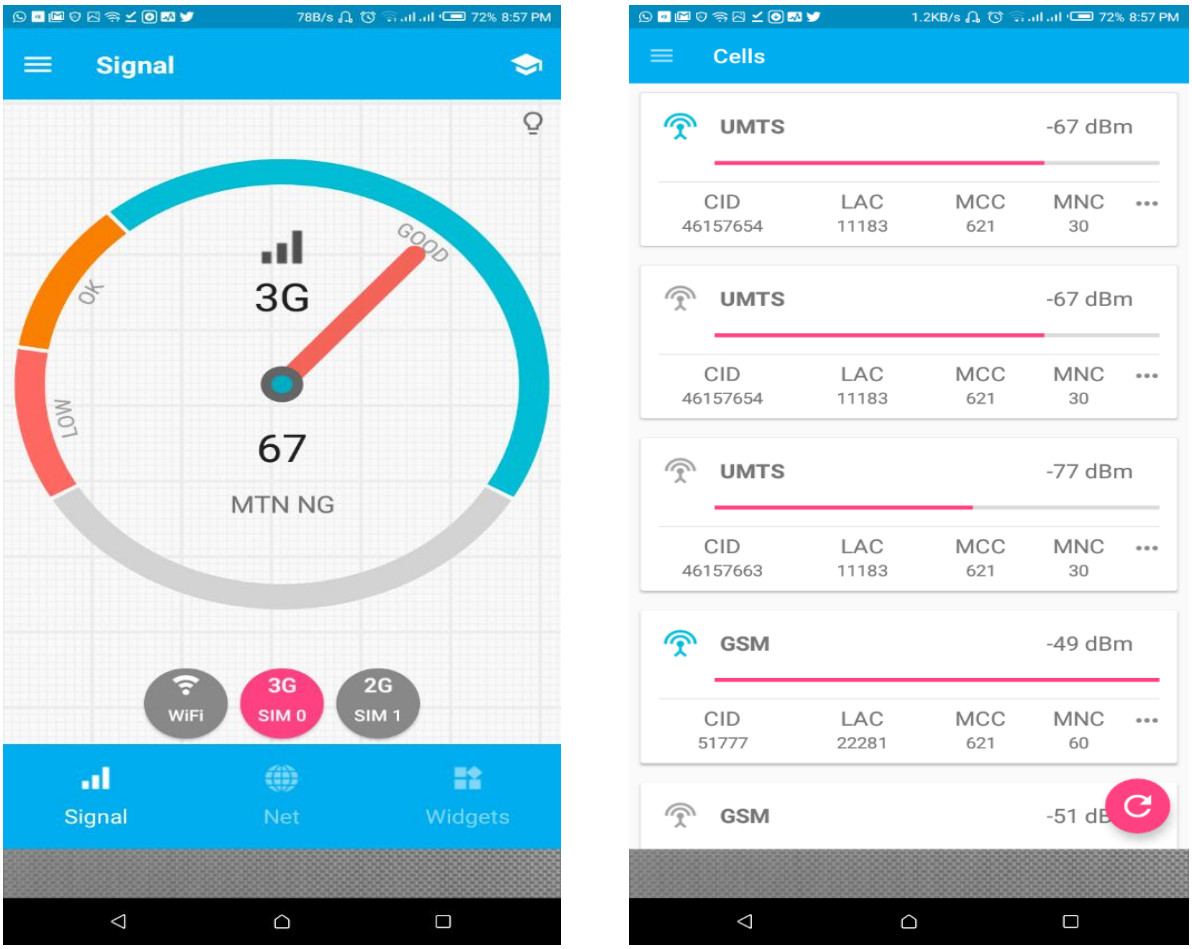


**Fig 3.3**. User interface of the signal strength application

### 3.5.2 NET MONITOR APPLICATION SOFTWARE

This is also an android application that displays information of the signal strength. It was used to measure the received signal strength at every distance away from the base station.

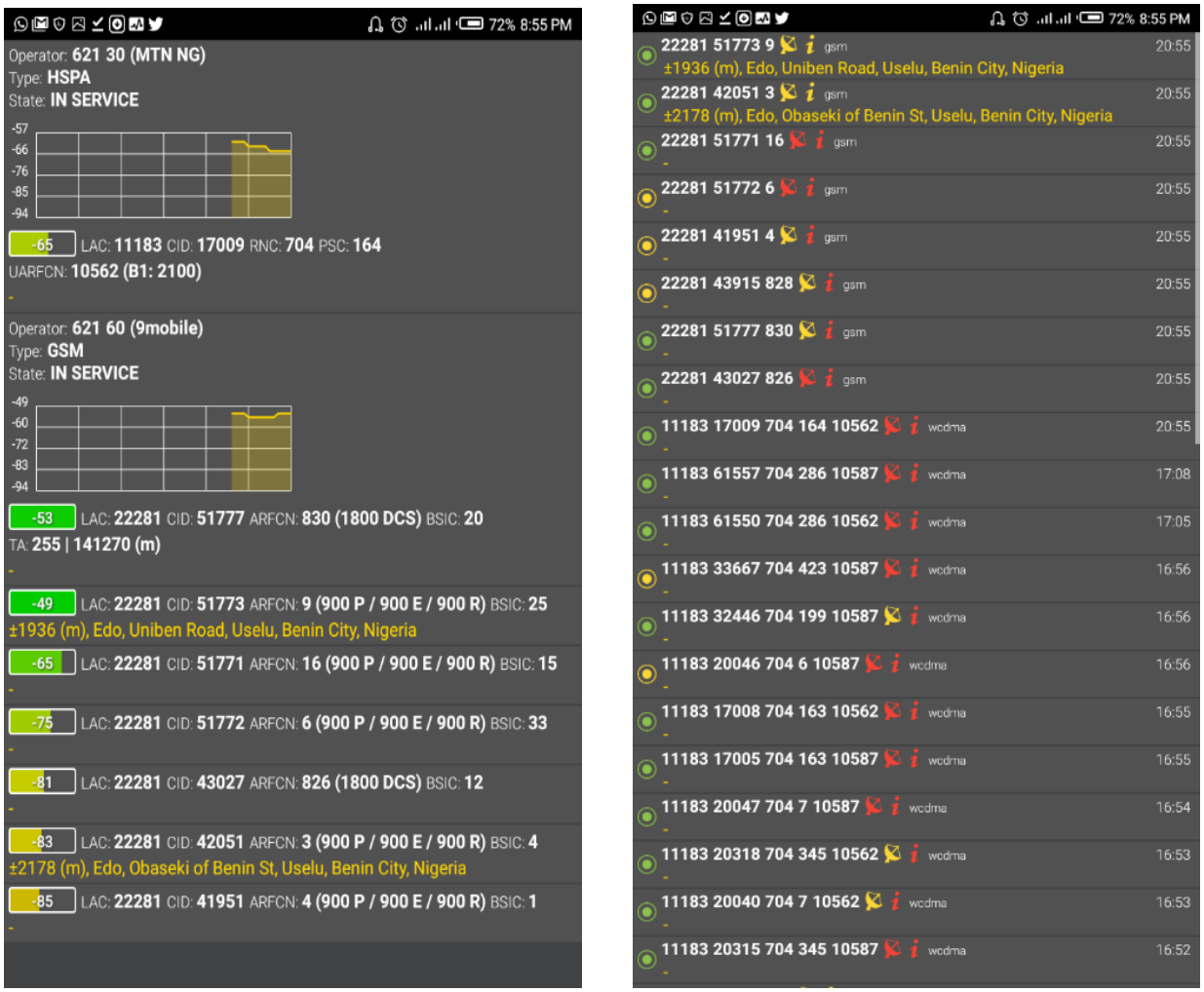


**Fig 3.4**. User Interface of The Net monitor Application

# CHAPTER FOUR

# RESULTS AND DISCUSSION

## 4.1 MEASUREMENT SPECIFICATIONS FOR BASE AND MOBILE STATION.

**Height of the cell tower:** 45m

**Height of the mobile station;** 1.5m

**Frequency of transmission;** 1800 MHz for 3G and 900MHz for 2G

**Transmission power of the base station;** 25000mW

**Figure 4.1** base station

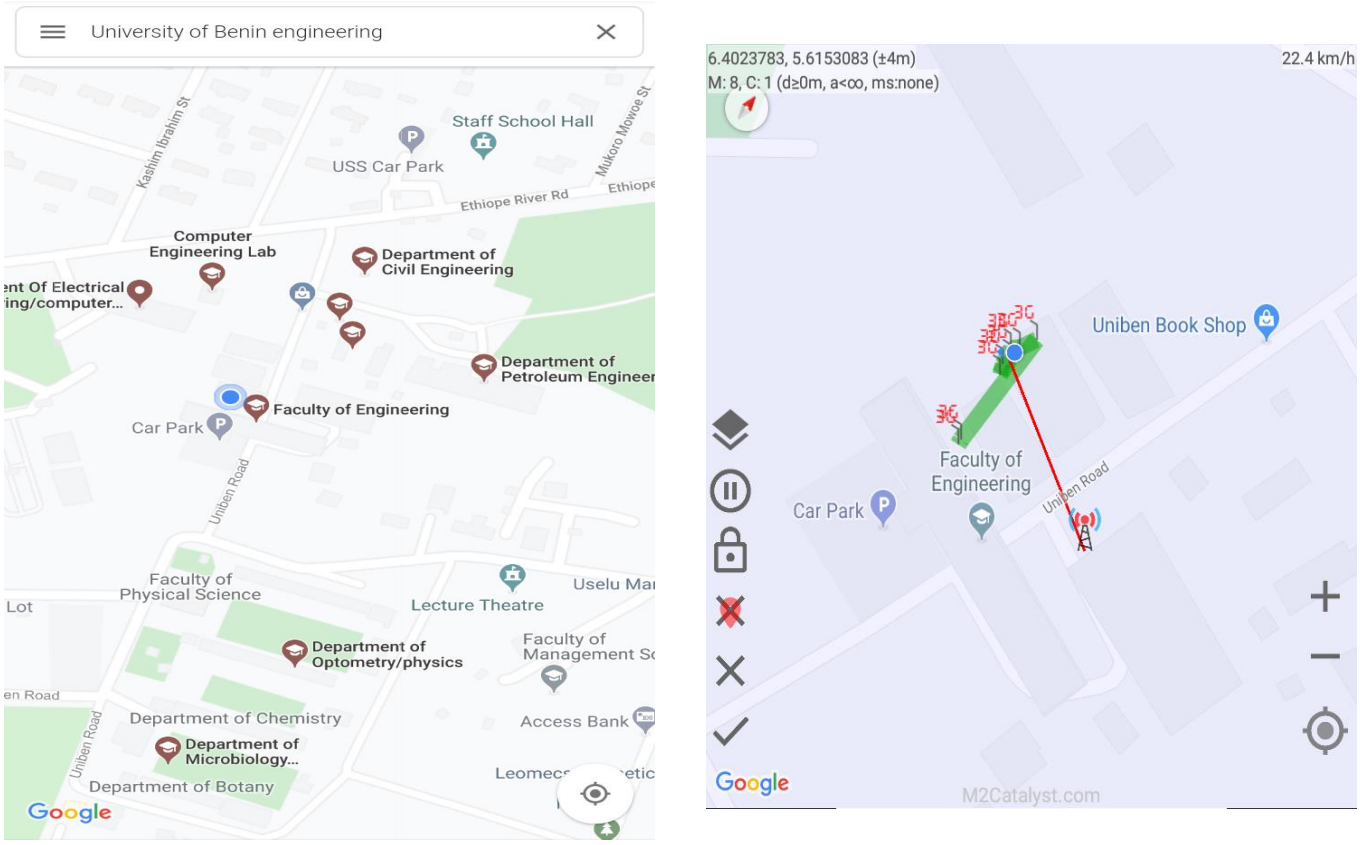


**Fig 4.2** map of the area of study showing buildings and the base station of study

## 4.2 DISCUSSION

### 4.2.1 CALCULATIONS FOR EGLI MODEL (EMPERICAL PATH LOSS)

Lpath = 40log10 (d) – 20log10 (hb) – 20log10 (hm) – 10log10 (ß) …….…… Eqn 4.2

RSL = Pt – Lpath – Lfeeder + Gain …… Eqn 4.4

Where $\beta = \left( \frac{40}{f_{MHz}} \right)^2$

Gain is zero

F is frequency

Pt is power transmitted

Lpath is path loss

ß is clutter factor

hm is height of mobile station and hb is height of base station

RSL is received signal level

RSL = 10log (25000mW) - Lpath – 2db

RSL = 41.97 - Lpath

Lpath = 41.97+RSL=125.97

Assuming RSL= mean on the tables of the appendix

The graph of Path loss against Distance will be plotted using Microsoft Excel, for 3g, 2g Airtel and Mtn respectively.

Eqn 4.2 is the Okumura Hata model

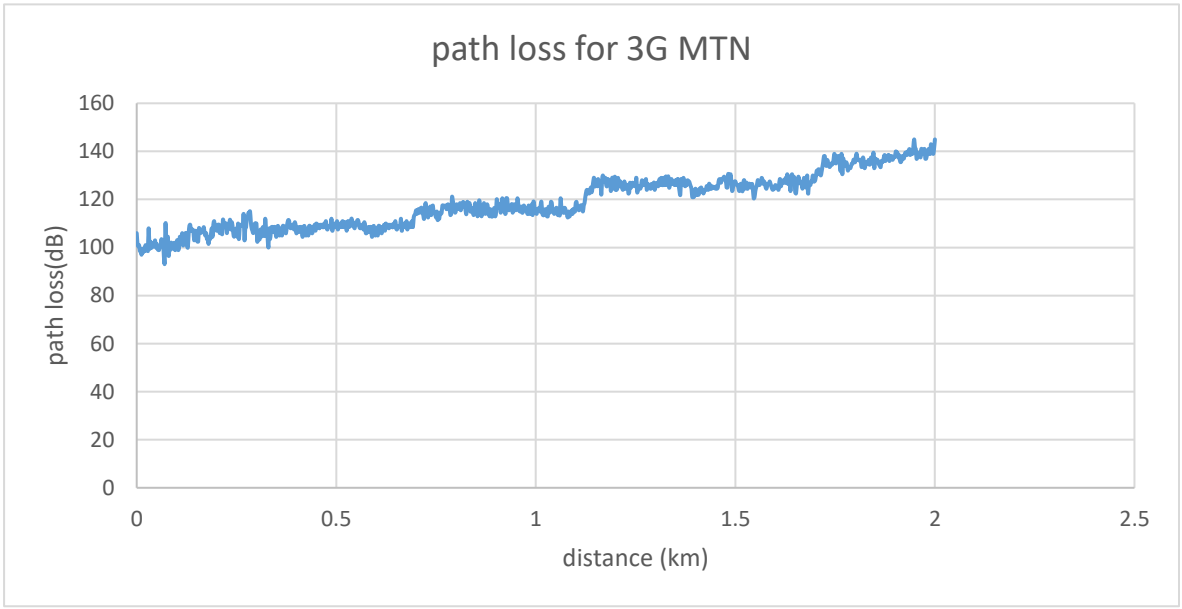


**Fig 4.3** Path loss for 3G MTN (service provider A)

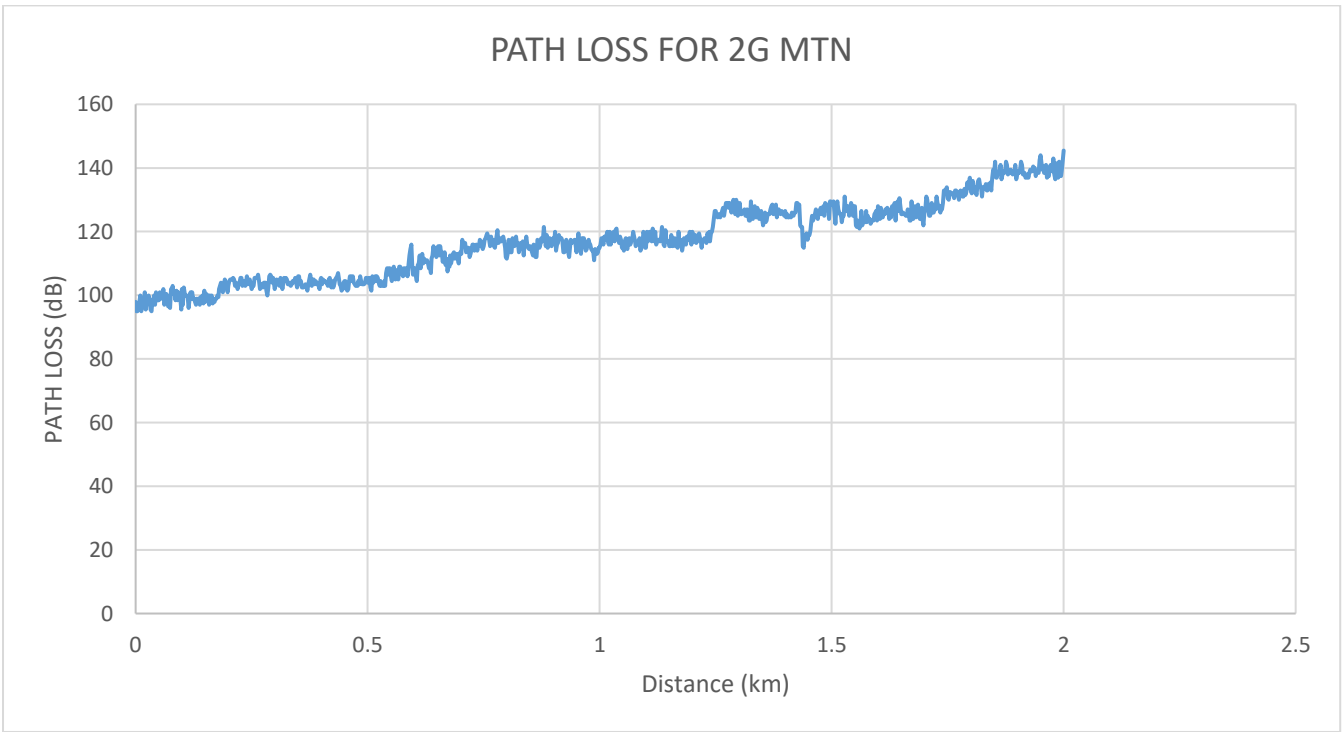


**Fig 4.4** Path loss for 2G MTN (service provider B)

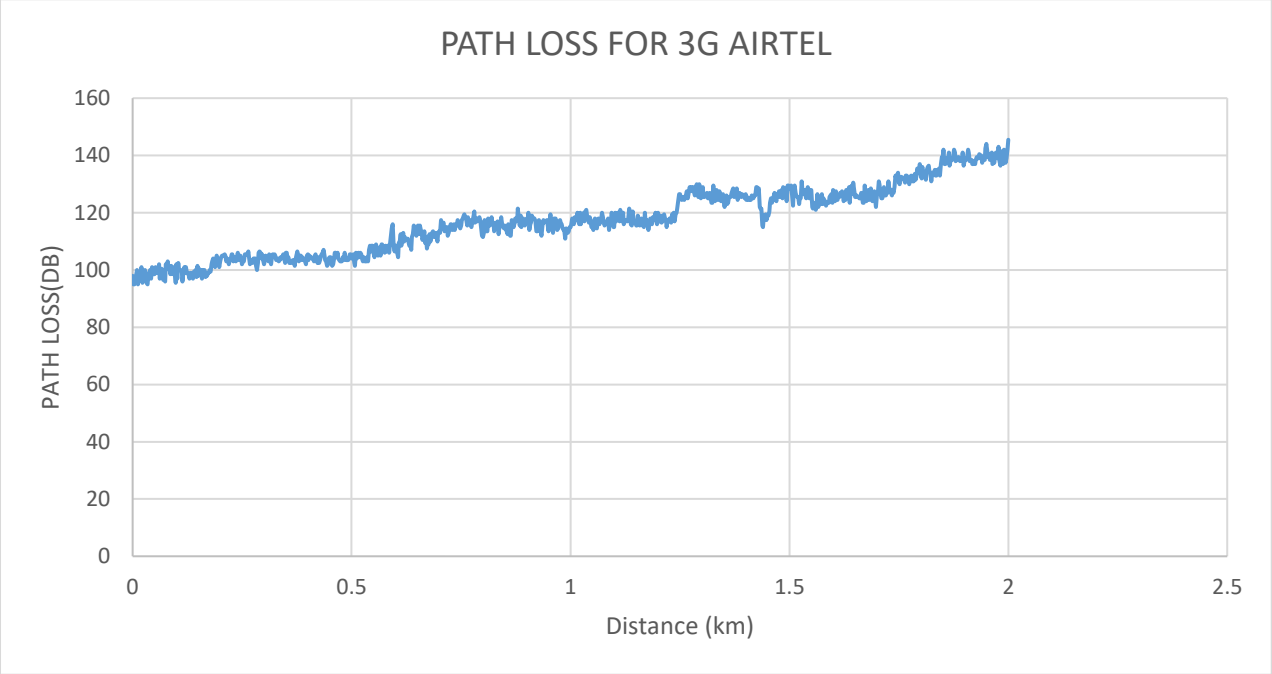


**Fig 4.5** Path loss for 3G Airtel (service provider B)

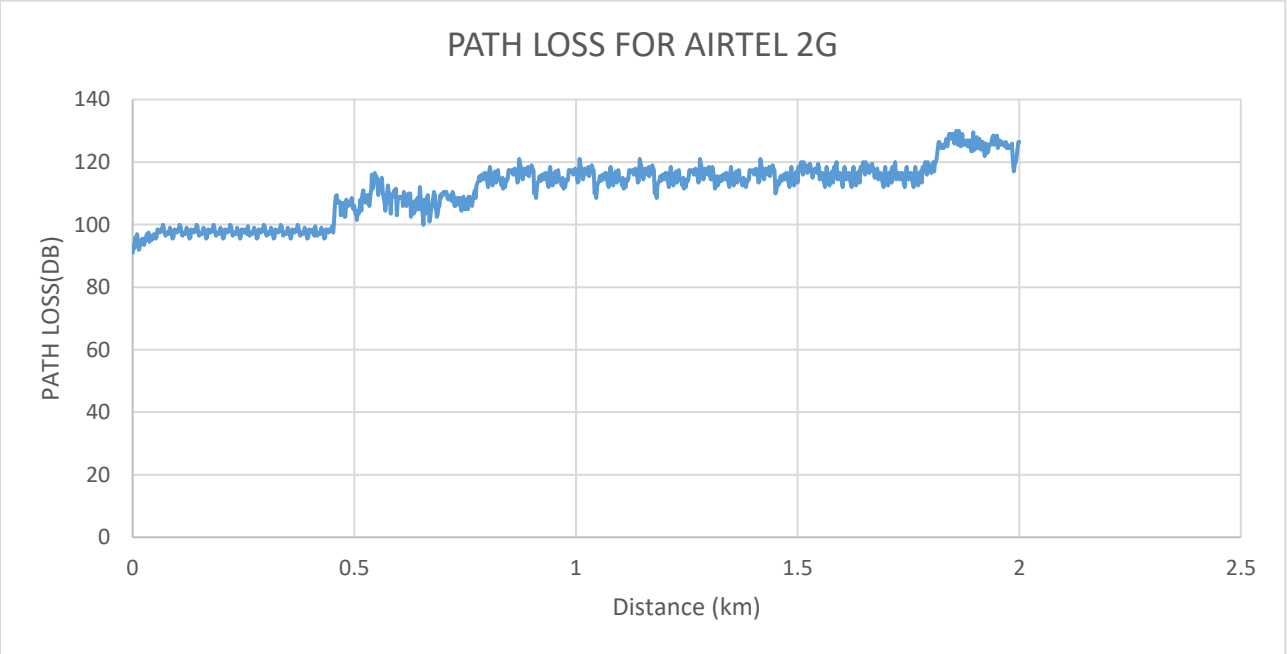


**Fig 4.6** Path loss for 3G Airtel (service provider B)

### 4.2.2 OKUMURA HATA MODEL CALCULATION OF PATH LOSS

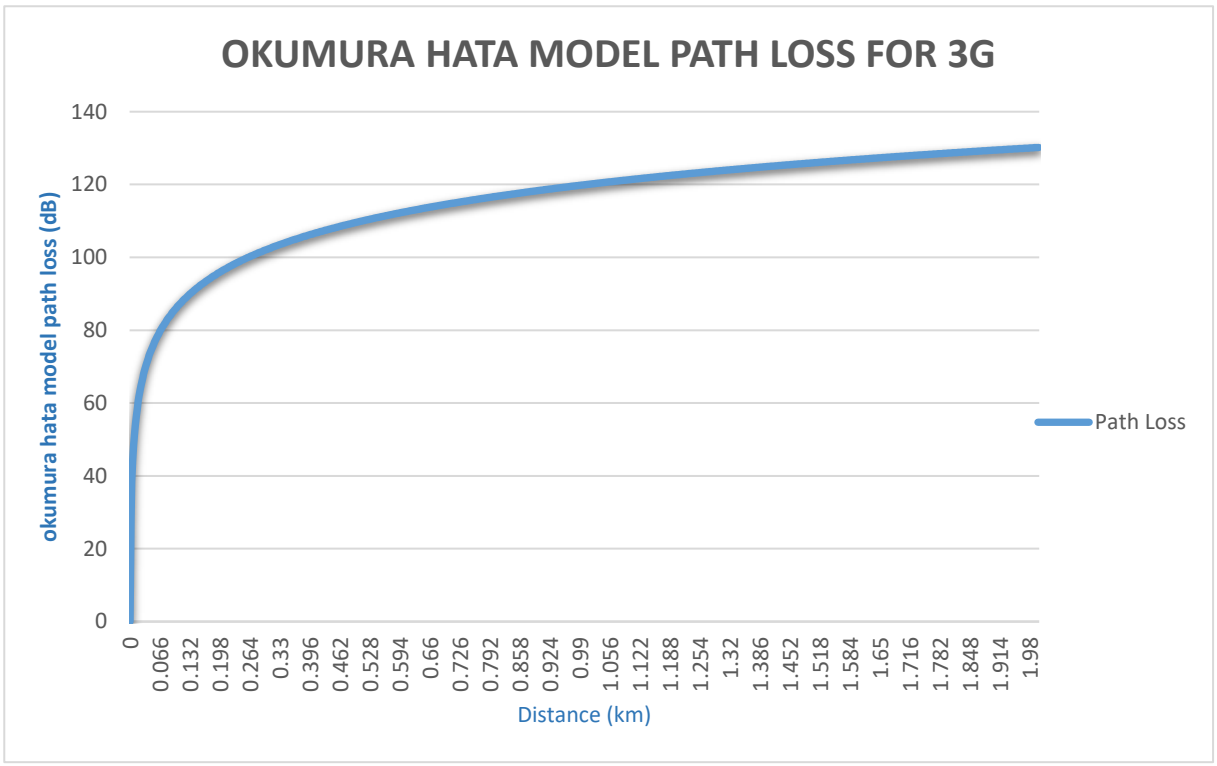


**Fig 4.7** Okumura Hata model Path Loss for 3G

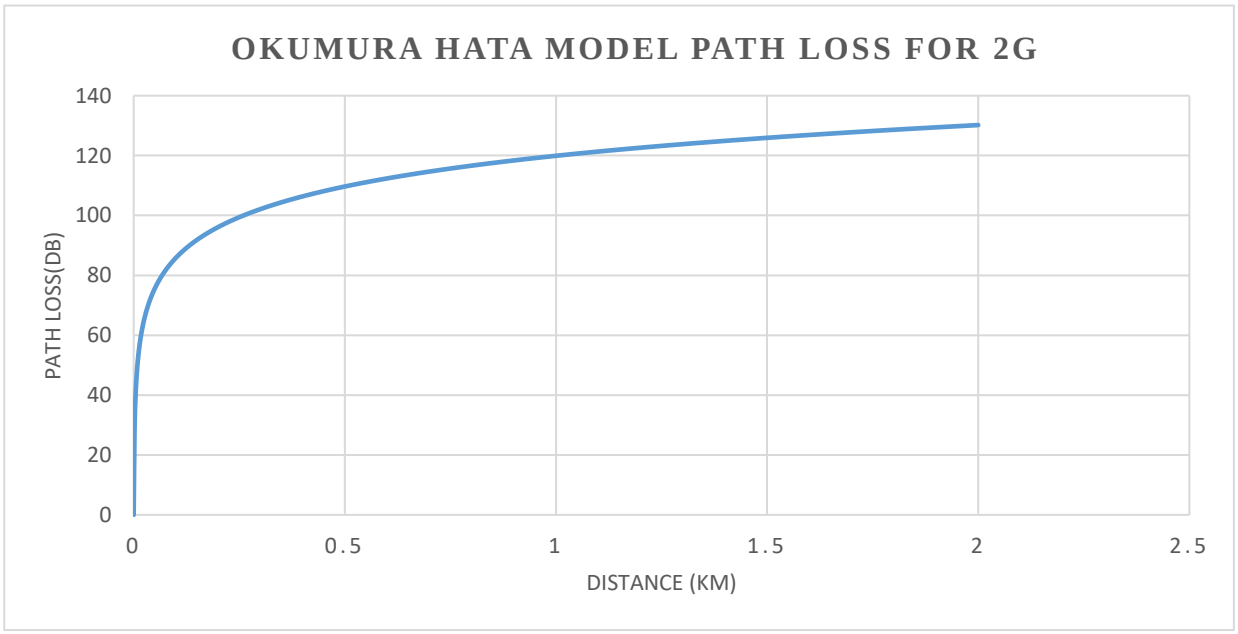


**Fig 4.8** The Okumura Hata model Path loss for 2G

### 4.2.3 ACCURACY OF MEASURED PATH LOSS AND OKUMURA

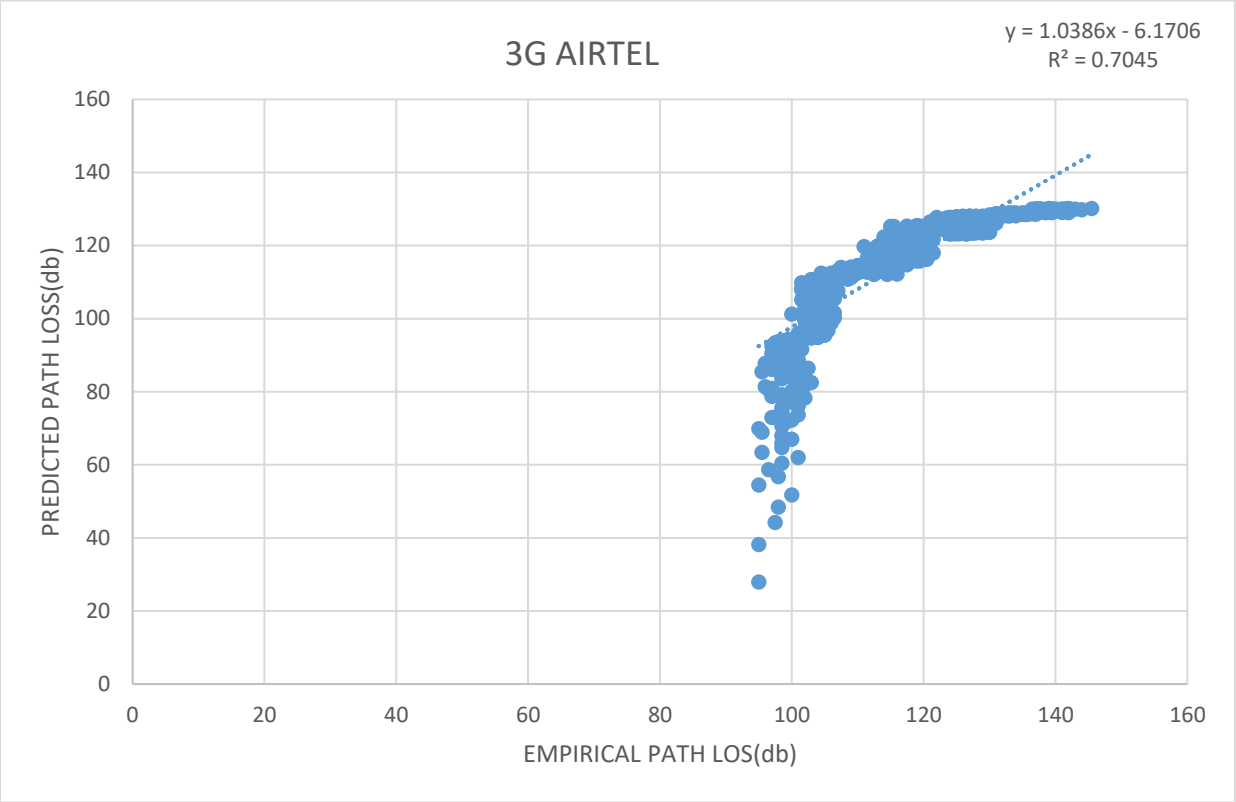


**Fig 4.9** as observed above there's a 70% accuracy between the measured path loss and the Okumura Hata model for 3G AIRTEL which was obtained from the table 1.3 in the appendix.

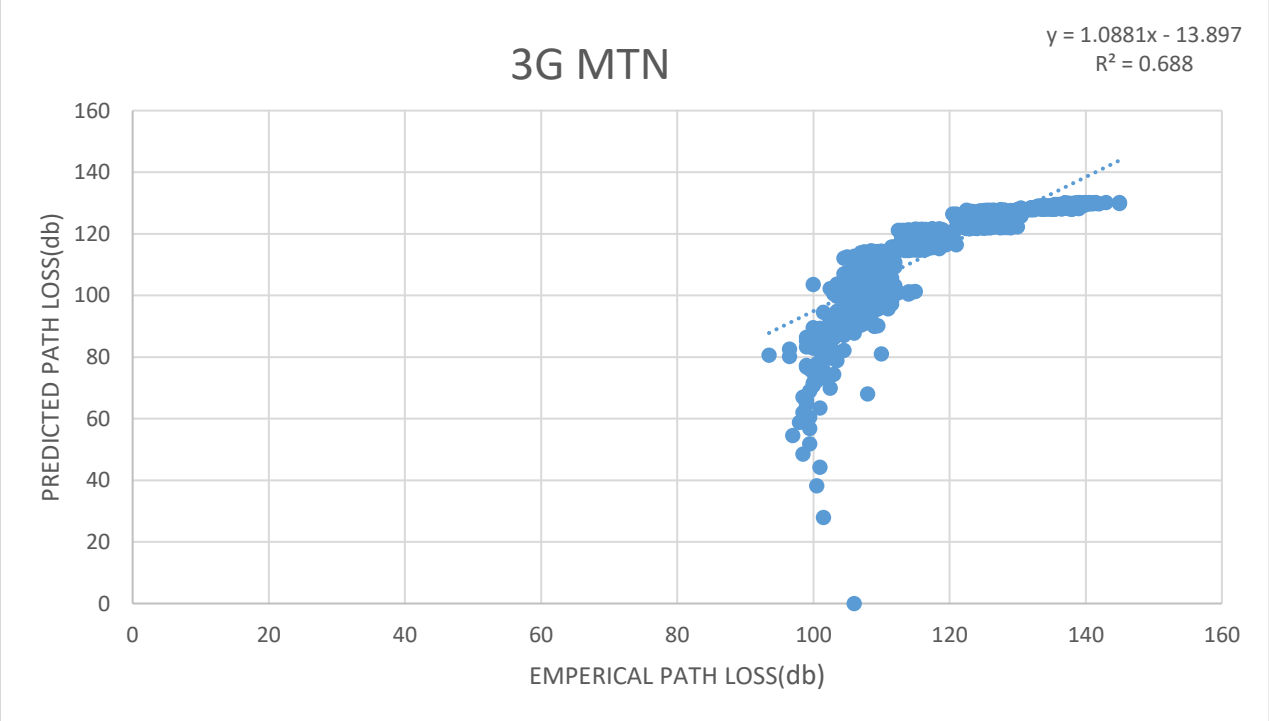


**Fig 4.10** As observed above there's a 68% accuracy between the measured path loss and the Okumura Hata model for 3G MTN which was obtained from the table 1.1 in the appendix.

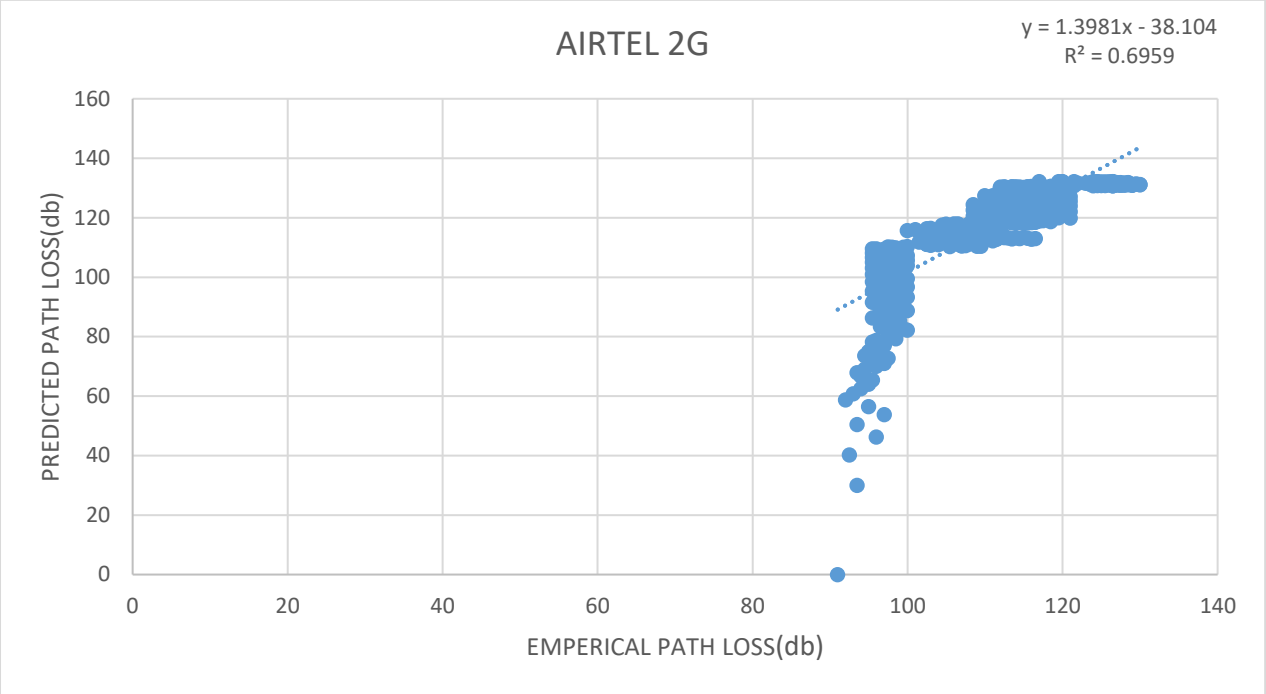


**Fig 4.11** As observed above there's a 68% accuracy between the measured path loss and the Okumura Hata model for 2G AIRTEL which was obtained from the table 1.4 in the appendix.

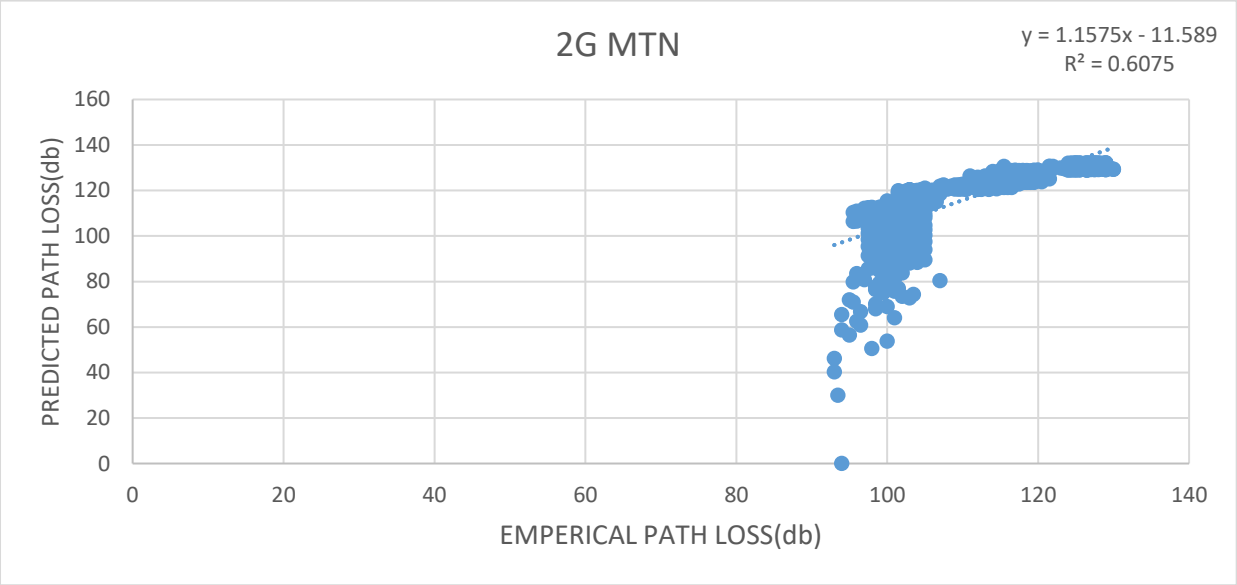


**Fig 4.12** As observed above there's a 60% accuracy between the measured path loss and the Okumura Hata model for 2G MTN from table 1.2 in appendix.

We discovered that the Okumura-Hata model was very good at giving a good estimate of the path-loss at the area under consideration. The accuracy of the Okumura-Hata model path-loss (**Fig 4.9,**

**Fig 4.10**, Fig **4.11 and Fig 4.12)** gotten through the modellings when compared with the egli model only got better as the distance from the base station is increased. It is also very close to the measured path-loss obtained from measurements. This shows us that the Okumura-Hata model is quite suitable to calculate for the path-loss in this areas. Secondly, it was observed that the measured path-loss, as seen from the graph, usually settles for the same value as the Okumura-Hata model as the distance increases. This also adds to the already high reliability of the Okumura-Hata model.

# CHAPTER 5
# CONCLUSION AND RECOMMENDATIONS

## 5.1 CONCLUSION

This project has been able to determine the path profile for the faculty of engineering, analyze the received signal strength gotten from the base station using cell signal monitor application and signal strength application for two internet service providers “MTN and AIRTEL”.

The predicted path loss was calculated and it was compared with the okumura hata model path loss. The path loss increase as the distance increase from the base station and this resulted the Receive Signal Level (RSL) decrease as distance increase.

## 5.2 RECOMMENDATION

There is a whole lot of path loss prediction models such as COST231–Walfish–Ikegami Model, The ITU-Advanced Channel Model, Free-space Propagation Model, The ITU-R Models and The Okumura Hata model.

These propagation models are used for the design, simulation and planning of wireless systems. These models represent important properties of propagation channels that affect the transmission of electromagnetic signals. They also help the design engineer to make changes to blueprints and analyze the cost of these changes without spending much time, money and effort. An important aspect of these models is the path-loss of the propagation channel. This can be defined as the loss of energy in free space due to the conservation of energy and geometric reasons. These reasons are due to the effects of reflection, refraction, diffraction, scattering etc.

The Okumura Hata model is recommended as the best model for analyzing path loss as it can be used to calculate for path loss for different environment i.e. rural, suburban and urban area. It is generally applied for frequencies in the range of 150 MHz - 1920 MHz, for a distance separation ranging from 1 km to 100 km, and for antenna heights from 30 m to 1000 m.

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# APPENDIX

**TABLE 1.1: RESULTS FOR THE R.S.S.I FOR 3G MTN**

CELL ID; 32448

| S/N | DISTANCE (METERS) | RSSI FOR MTN 3G(-dbm) signal strength app | RSSI FOR MTN 3G(-dbm)(net monitor app) | MEAN(dbm) |
|---|---|---|---|---|
| 1 | **0** | **-67** | **-61** | **-64** |
| 2 | **2** | **-59** | **-60** | **-59.5** |
| 3 | **4** | **-58** | **-59** | **-58.5** |
| 4 | **6** | **-61** | **-57** | **-59** |
| 5 | **8** | **-58** | **-55** | **-56.5** |
| 6 | **10** | **-63** | **-52** | **-57.5** |
| 7 | **12** | **-54** | **-56** | **-55** |
| 8 | **14** | **-61** | **-54** | **-57.5** |
| 9 | **16** | **-53** | **-59** | **-56** |
| 10 | **18** | **-58** | **-57** | **-57.5** |
| 11 | **20** | **-56** | **-57** | **-56.5** |
| 12 | **22** | **-59** | **-59** | **-59** |
| 13 | **24** | **-56** | **-58** | **-57** |
| 14 | **26** | **-54** | **-60** | **-57** |
| 15 | **28** | **-51** | **-62** | **-56.5** |
| 16 | **30** | **-69** | **-63** | **-66** |
| 17 | **32** | **-57** | **-58** | **-57.5** |
| 18 | **34** | **-63** | **-58** | **-60.5** |
| 19 | **36** | **-61** | **-55** | **-58** |
| 20 | **38** | **-57** | **-59** | **-58** |
| 21 | **40** | **-60** | **-57** | **-58.5** |
| 22 | **42** | **-61** | **-59** | **-60** |
| 23 | **44** | **-57** | **-61** | **-59** |
| 24 | **46** | **-59** | **-63** | **-61** |
| 25 | **48** | **-61** | **-55** | **-58** |

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| 26 | **50** | **-60** | **-59** | **-59.5** |
| 27 | **52** | **-56** | **-59** | **-57.5** |
| 28 | **54** | **-57** | **-57** | **-57** |
| 29 | **56** | **-53** | **-61** | **-57** |
| 30 | **58** | **-55** | **-62** | **-58.5** |
| 31 | **60** | **-57** | **-61** | **-59** |
| 32 | **62** | **-59** | **-64** | **-61.5** |
| 33 | **64** | **-58** | **-61** | **-59.5** |
| 34 | **66** | **-59** | **-62** | **-60.5** |
| 35 | **68** | **-53** | **-56** | **-54.5** |
| 36 | **70** | **-52** | **-51** | **-51.5** |
| 37 | **72** | **-69** | **-67** | **-68** |
| 38 | **74** | **-59** | **-64** | **-61.5** |
| 39 | **76** | **-55** | **-63** | **-59** |
| 40 | **78** | **-60** | **-65** | **-62.5** |
| 41 | **80** | **-54** | **-55** | **-54.5** |
| 42 | **82** | **-57** | **-59** | **-58** |
| 43 | **84** | **-55** | **-59** | **-57** |
| 44 | **86** | **-59** | **-61** | **-60** |
| 45 | **88** | **-60** | **-58** | **-59** |
| 46 | **90** | **-57** | **-60** | **-58.5** |
| 47 | **92** | **-56** | **-59** | **-57.5** |
| 48 | **94** | **-59** | **-61** | **-60** |
| 49 | **96** | **-54** | **-60** | **-57** |
| 50 | **98** | **-57** | **-59** | **-58** |
| 51 | **100** | **-59** | **-61** | **-60** |
| 52 | **102** | **-59** | **-63** | **-61** |
| 53 | **104** | **-55** | **-59** | **-57** |
| 54 | **106** | **-53** | **-63** | **-58** |
| 55 | **108** | **-58** | **-67** | **-62.5** |
| 56 | **110** | **-60** | **-61** | **-60.5** |
| 57 | **112** | **-61** | **-59** | **-60** |
| 58 | **114** | **-62** | **-66** | **-64** |
| 59 | **116** | **-60** | **-58** | **-59** |

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| 60 | **118** | **-59** | **-62** | **-60.5** |
| 61 | **120** | **-61** | **-63** | **-62** |
| 62 | **122** | **-63** | **-65** | **-64** |
| 63 | **124** | **-62** | **-66** | **-64** |
| 64 | **126** | **-59** | **-59** | **-59** |
| 65 | **128** | **-57** | **-59** | **-58** |
| 66 | **130** | **-60** | **-67** | **-63.5** |
| 67 | **132** | **-65** | **-69** | **-67** |
| 68 | **134** | **-67** | **-68** | **-67.5** |
| 69 | **136** | **-65** | **-65** | **-65** |
| 70 | **138** | **-63** | **-67** | **-65** |
| 71 | **140** | **-65** | **-66** | **-65.5** |
| 72 | **142** | **-63** | **-67** | **-65** |
| 73 | **144** | **-61** | **-61** | **-61** |
| 74 | **146** | **-62** | **-65** | **-63.5** |
| 75 | **148** | **-63** | **-67** | **-65** |
| 76 | **150** | **-61** | **-63** | **-62** |
| 77 | **152** | **-62** | **-59** | **-60.5** |
| 78 | **154** | **-61** | **-60** | **-60.5** |
| 79 | **156** | **-65** | **-67** | **-66** |
| 80 | **158** | **-64** | **-65** | **-64.5** |
| 81 | **160** | **-61** | **-67** | **-64** |
| 82 | **162** | **-63** | **-67** | **-65** |
| 83 | **164** | **-64** | **-65** | **-64.5** |
| 84 | **166** | **-63** | **-67** | **-65** |
| 85 | **168** | **-64** | **-69** | **-66.5** |
| 86 | **170** | **-65** | **-63** | **-64** |
| 87 | **172** | **-61** | **-65** | **-63** |
| 88 | **174** | **-63** | **-65** | **-64** |
| 89 | **176** | **-65** | **-58** | **-61.5** |
| 90 | **178** | **-61** | **-63** | **-62** |
| 91 | **180** | **-60** | **-59** | **-59.5** |
| 92 | **182** | **-63** | **-62** | **-62.5** |
| 93 | **184** | **-61** | **-62** | **-61.5** |

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| 94 | **186** | **-64** | **-63** | **-63.5** |
| 95 | **188** | **-65** | **-67** | **-66** |
| 96 | **190** | **-64** | **-61** | **-62.5** |
| 97 | **192** | **-66** | **-69** | **-67.5** |
| 98 | **194** | **-67** | **-71** | **-69** |
| 99 | **196** | **-65** | **-68** | **-66.5** |
| 100 | **198** | **-68** | **-67** | **-67.5** |
| 101 | **200** | **-67** | **-63** | **-65** |
| 102 | **202** | **-65** | **-69** | **-67** |
| 103 | **204** | **-68** | **-67** | **-67.5** |
| 104 | **206** | **-66** | **-69** | **-67.5** |
| 105 | **208** | **-65** | **-63** | **-64** |
| 106 | **210** | **-69** | **-65** | **-67** |
| 107 | **212** | **-65** | **-68** | **-66.5** |
| 108 | **214** | **-62** | **-65** | **-63.5** |
| 109 | **216** | **-69** | **-70** | **-69.5** |
| 110 | **218** | **-67** | **-69** | **-68** |
| 111 | **220** | **-68** | **-65** | **-66.5** |
| 112 | **222** | **-68** | **-67** | **-67.5** |
| 113 | **224** | **-69** | **-67** | **-68** |
| 114 | **226** | **-65** | **-63** | **-64** |
| 115 | **228** | **-69** | **-66** | **-67.5** |
| 116 | **230** | **-69** | **-65** | **-67** |
| 117 | **232** | **-67** | **-69** | **-68** |
| 118 | **234** | **-71** | **-68** | **-69.5** |
| 119 | **236** | **-67** | **-64** | **-65.5** |
| 120 | **238** | **-67** | **-70** | **-68.5** |
| 121 | **240** | **-65** | **-69** | **-67** |
| 122 | **242** | **-61** | **-67** | **-64** |
| 123 | **244** | **-62** | **-63** | **-62.5** |
| 124 | **246** | **-63** | **-67** | **-65** |
| 125 | **248** | **-64** | **-64** | **-64** |
| 126 | **250** | **-65** | **-67** | **-66** |
| 127 | **252** | **-59** | **-66** | **-62.5** |

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| 128 | **254** | **-67** | **-69** | **-68** |
| 129 | **256** | **-66** | **-57** | **-61.5** |
| 130 | **258** | **-64** | **-69** | **-66.5** |
| 131 | **260** | **-67** | **-68** | **-67.5** |
| 132 | **262** | **-69** | **-65** | **-67** |
| 133 | **264** | **-63** | **-71** | **-67** |
| 134 | **266** | **-65** | **-69** | **-67** |
| 135 | **268** | **-71** | **-73** | **-72** |
| 136 | **270** | **-60** | **-62** | **-61** |
| 137 | **272** | **-65** | **-67** | **-66** |
| 138 | **274** | **-68** | **-65** | **-66.5** |
| 139 | **276** | **-70** | **-71** | **-70.5** |
| 140 | **278** | **-69** | **-72** | **-70.5** |
| 141 | **280** | **-74** | **-71** | **-72.5** |
| 142 | **282** | **-73** | **-71** | **-72** |
| 143 | **284** | **-72** | **-74** | **-73** |
| 144 | **286** | **-69** | **-68** | **-68.5** |
| 145 | **288** | **-65** | **-67** | **-66** |
| 146 | **290** | **-62** | **-68** | **-65** |
| 147 | **292** | **-63** | **-65** | **-64** |
| 148 | **294** | **-64** | **-68** | **-66** |
| 149 | **296** | **-67** | **-69** | **-68** |
| 150 | **298** | **-71** | **-65** | **-68** |
| 151 | **300** | **-69** | **-67** | **-68** |
| 152 | **302** | **-59** | **-62** | **-60.5** |
| 153 | **304** | **-61** | **-65** | **-63** |
| 154 | **306** | **-64** | **-61** | **-62.5** |
| 155 | **308** | **-62** | **-61** | **-61.5** |
| 156 | **310** | **-67** | **-64** | **-65.5** |
| 157 | **312** | **-62** | **-63** | **-62.5** |
| 158 | **314** | **-63** | **-65** | **-64** |
| 159 | **316** | **-64** | **-69** | **-66.5** |
| 160 | **318** | **-63** | **-67** | **-65** |
| 161 | **320** | **-65** | **-61** | **-63** |

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| 162 | **322** | **-69** | **-71** | **-70** |
| 163 | **324** | **-64** | **-67** | **-65.5** |
| 164 | **326** | **-62** | **-66** | **-64** |
| 165 | **328** | **-63** | **-61** | **-62** |
| 166 | **330** | **-59** | **-57** | **-58** |
| 167 | **332** | **-67** | **-65** | **-66** |
| 168 | **334** | **-61** | **-62** | **-61.5** |
| 169 | **336** | **-63** | **-66** | **-64.5** |
| 170 | **338** | **-65** | **-68** | **-66.5** |
| 171 | **340** | **-65** | **-68** | **-66.5** |
| 172 | **342** | **-63** | **-66** | **-64.5** |
| 173 | **344** | **-64** | **-69** | **-66.5** |
| 174 | **346** | **-66** | **-67** | **-66.5** |
| 175 | **348** | **-65** | **-63** | **-64** |
| 176 | **350** | **-61** | **-64** | **-62.5** |
| 177 | **352** | **-67** | **-65** | **-66** |
| 178 | **354** | **-69** | **-65** | **-67** |
| 179 | **356** | **-66** | **-63** | **-64.5** |
| 180 | **358** | **-62** | **-64** | **-63** |
| 181 | **360** | **-63** | **-66** | **-64.5** |
| 182 | **362** | **-67** | **-65** | **-66** |
| 183 | **364** | **-65** | **-61** | **-63** |
| 184 | **366** | **-67** | **-67** | **-67** |
| 185 | **368** | **-65** | **-69** | **-67** |
| 186 | **370** | **-66** | **-66** | **-66** |
| 187 | **372** | **-67** | **-62** | **-64.5** |
| 188 | **374** | **-65** | **-63** | **-64** |
| 189 | **376** | **-65** | **-68** | **-66.5** |
| 190 | **378** | **-67** | **-70** | **-68.5** |
| 191 | **380** | **-68** | **-71** | **-69.5** |
| 192 | **382** | **-68** | **-70** | **-69** |
| 193 | **384** | **-68** | **-65** | **-66.5** |
| 194 | **386** | **-65** | **-67** | **-66** |
| 195 | **388** | **-64** | **-69** | **-66.5** |

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| 196 | **390** | **-66** | **-68** | **-67** |
| 197 | **392** | **-68** | **-67** | **-67.5** |
| 198 | **394** | **-66** | **-65** | **-65.5** |
| 199 | **396** | **-69** | **-68** | **-68.5** |
| 200 | **398** | **-67** | **-68** | **-67.5** |
| 201 | **400** | **-63** | **-65** | **-64** |
| 202 | **402** | **-64** | **-66** | **-65** |
| 203 | **404** | **-65** | **-66** | **-65.5** |
| 204 | **406** | **-65** | **-68** | **-66.5** |
| 205 | **408** | **-63** | **-66** | **-64.5** |
| 206 | **410** | **-64** | **-69** | **-66.5** |
| 207 | **412** | **-66** | **-67** | **-66.5** |
| 208 | **414** | **-65** | **-63** | **-64** |
| 209 | **416** | **-61** | **-64** | **-62.5** |
| 210 | **418** | **-67** | **-65** | **-66** |
| 211 | **420** | **-69** | **-65** | **-67** |
| 212 | **422** | **-66** | **-63** | **-64.5** |
| 213 | **424** | **-62** | **-64** | **-63** |
| 214 | **426** | **-63** | **-66** | **-64.5** |
| 215 | **428** | **-67** | **-65** | **-66** |
| 216 | **430** | **-65** | **-61** | **-63** |
| 217 | **432** | **-67** | **-67** | **-67** |
| 218 | **434** | **-65** | **-69** | **-67** |
| 219 | **436** | **-66** | **-66** | **-66** |
| 220 | **438** | **-67** | **-62** | **-64.5** |
| 221 | **440** | **-65** | **-63** | **-64** |
| 222 | **442** | **-66** | **-67** | **-66.5** |
| 223 | **444** | **-67** | **-65** | **-66** |
| 224 | **446** | **-68** | **-67** | **-67.5** |
| 225 | **448** | **-65** | **-65** | **-65** |
| 226 | **450** | **-70** | **-66** | **-68** |
| 227 | **452** | **-66** | **-67** | **-66.5** |
| 228 | **454** | **-68** | **-65** | **-66.5** |
| 229 | **456** | **-69** | **-66** | **-67.5** |

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| 230 | **458** | **-65** | **-67** | **-66** |
| 231 | **460** | **-67** | **-68** | **-67.5** |
| 232 | **462** | **-68** | **-65** | **-66.5** |
| 233 | **464** | **-65** | **-70** | **-67.5** |
| 234 | **466** | **-67** | **-66** | **-66.5** |
| 235 | **468** | **-65** | **-68** | **-66.5** |
| 236 | **470** | **-67** | **-69** | **-68** |
| 237 | **472** | **-68** | **-65** | **-66.5** |
| 238 | **474** | **-71** | **-67** | **-69** |
| 239 | **476** | **-64** | **-68** | **-66** |
| 240 | **478** | **-66** | **-65** | **-65.5** |
| 241 | **480** | **-67** | **-67** | **-67** |
| 242 | **482** | **-68** | **-65** | **-66.5** |
| 243 | **484** | **-67** | **-67** | **-67** |
| 244 | **486** | **-65** | **-68** | **-66.5** |
| 245 | **488** | **-69** | **-71** | **-70** |
| 246 | **490** | **-66** | **-64** | **-65** |
| 247 | **492** | **-68** | **-66** | **-67** |
| 248 | **494** | **-67** | **-67** | **-67** |
| 249 | **496** | **-68** | **-68** | **-68** |
| 250 | **498** | **-67** | **-67** | **-67** |
| 251 | **500** | **-68** | **-65** | **-66.5** |
| 252 | **502** | **-69** | **-69** | **-69** |
| 253 | **504** | **-65** | **-66** | **-65.5** |
| 254 | **506** | **-67** | **-68** | **-67.5** |
| 255 | **508** | **-67** | **-67** | **-67** |
| 256 | **510** | **-68** | **-68** | **-68** |
| 257 | **512** | **-66** | **-67** | **-66.5** |
| 258 | **514** | **-68** | **-68** | **-68** |
| 259 | **516** | **-69** | **-69** | **-69** |
| 260 | **518** | **-68** | **-65** | **-66.5** |
| 261 | **520** | **-70** | **-67** | **-68.5** |
| 262 | **522** | **-67** | **-67** | **-67** |
| 263 | **524** | **-69** | **-68** | **-68.5** |

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| 264 | **526** | **-64** | **-66** | **-65** |
| 265 | **528** | **-68** | **-68** | **-68** |
| 266 | **530** | **-69** | **-69** | **-69** |
| 267 | **532** | **-65** | **-68** | **-66.5** |
| 268 | **534** | **-67** | **-70** | **-68.5** |
| 269 | **536** | **-67** | **-67** | **-67** |
| 270 | **538** | **-71** | **-69** | **-70** |
| 271 | **540** | **-74** | **-64** | **-69** |
| 272 | **542** | **-69** | **-68** | **-68.5** |
| 273 | **544** | **-65** | **-69** | **-67** |
| 274 | **546** | **-67** | **-65** | **-66** |
| 275 | **548** | **-69** | **-67** | **-68** |
| 276 | **550** | **-68** | **-67** | **-67.5** |
| 277 | **552** | **-67** | **-71** | **-69** |
| 278 | **554** | **-65** | **-74** | **-69.5** |
| 279 | **556** | **-68** | **-69** | **-68.5** |
| 280 | **558** | **-68** | **-65** | **-66.5** |
| 281 | **560** | **-65** | **-67** | **-66** |
| 282 | **562** | **-64** | **-69** | **-66.5** |
| 283 | **564** | **-66** | **-68** | **-67** |
| 284 | **566** | **-68** | **-67** | **-67.5** |
| 285 | **568** | **-66** | **-65** | **-65.5** |
| 286 | **570** | **-69** | **-68** | **-68.5** |
| 287 | **572** | **-67** | **-68** | **-67.5** |
| 288 | **574** | **-63** | **-65** | **-64** |
| 289 | **576** | **-64** | **-64** | **-64** |
| 290 | **578** | **-65** | **-66** | **-65.5** |
| 291 | **580** | **-65** | **-68** | **-66.5** |
| 292 | **582** | **-63** | **-66** | **-64.5** |
| 293 | **584** | **-64** | **-69** | **-66.5** |
| 294 | **586** | **-66** | **-67** | **-66.5** |
| 295 | **588** | **-65** | **-63** | **-64** |
| 296 | **590** | **-61** | **-64** | **-62.5** |
| 297 | **592** | **-67** | **-65** | **-66** |

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| 298 | **594** | **-69** | **-65** | **-67** |
| 299 | **596** | **-66** | **-63** | **-64.5** |
| 300 | **598** | **-62** | **-64** | **-63** |
| 301 | **600** | **-63** | **-66** | **-64.5** |
| 302 | **602** | **-67** | **-65** | **-66** |
| 303 | **604** | **-65** | **-61** | **-63** |
| 304 | **606** | **-67** | **-67** | **-67** |
| 305 | **608** | **-65** | **-69** | **-67** |
| 306 | **610** | **-66** | **-66** | **-66** |
| 307 | **612** | **-67** | **-62** | **-64.5** |
| 308 | **614** | **-65** | **-63** | **-64** |
| 309 | **616** | **-66** | **-67** | **-66.5** |
| 310 | **618** | **-67** | **-65** | **-66** |
| 311 | **620** | **-68** | **-67** | **-67.5** |
| 312 | **622** | **-65** | **-65** | **-65** |
| 313 | **624** | **-70** | **-66** | **-68** |
| 314 | **626** | **-66** | **-67** | **-66.5** |
| 315 | **628** | **-68** | **-65** | **-66.5** |
| 316 | **630** | **-69** | **-66** | **-67.5** |
| 317 | **632** | **-65** | **-67** | **-66** |
| 318 | **634** | **-67** | **-68** | **-67.5** |
| 319 | **636** | **-68** | **-65** | **-66.5** |
| 320 | **638** | **-65** | **-70** | **-67.5** |
| 321 | **640** | **-67** | **-66** | **-66.5** |
| 322 | **642** | **-65** | **-68** | **-66.5** |
| 323 | **644** | **-67** | **-69** | **-68** |
| 324 | **646** | **-68** | **-65** | **-66.5** |
| 325 | **648** | **-71** | **-67** | **-69** |
| 326 | **650** | **-64** | **-68** | **-66** |
| 327 | **652** | **-66** | **-65** | **-65.5** |
| 328 | **654** | **-67** | **-67** | **-67** |
| 329 | **656** | **-68** | **-65** | **-66.5** |
| 330 | **658** | **-67** | **-67** | **-67** |
| 331 | **660** | **-65** | **-68** | **-66.5** |

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| 332 | **662** | **-69** | **-71** | **-70** |
| 333 | **664** | **-66** | **-64** | **-65** |
| 334 | **666** | **-68** | **-66** | **-67** |
| 335 | **668** | **-67** | **-67** | **-67** |
| 336 | **670** | **-68** | **-68** | **-68** |
| 337 | **672** | **-67** | **-67** | **-67** |
| 338 | **674** | **-68** | **-65** | **-66.5** |
| 339 | **676** | **-69** | **-69** | **-69** |
| 340 | **678** | **-65** | **-66** | **-65.5** |
| 341 | **680** | **-67** | **-68** | **-67.5** |
| 342 | **682** | **-67** | **-67** | **-67** |
| 343 | **684** | **-68** | **-68** | **-68** |
| 344 | **686** | **-66** | **-67** | **-66.5** |
| 345 | **688** | **-68** | **-68** | **-68** |
| 346 | **690** | **-69** | **-69** | **-69** |
| 347 | **692** | **-68** | **-65** | **-66.5** |
| 348 | **694** | **-70** | **-71** | **-70.5** |
| 349 | **696** | **-69** | **-74** | **-71.5** |
| 350 | **698** | **-73** | **-71** | **-72** |
| 351 | **700** | **-72** | **-75** | **-73.5** |
| 352 | **702** | **-70** | **-74** | **-72** |
| 353 | **704** | **-72** | **-74** | **-73** |
| 354 | **706** | **-75** | **-73** | **-74** |
| 355 | **708** | **-74** | **-71** | **-72.5** |
| 356 | **710** | **-72** | **-74** | **-73** |
| 357 | **712** | **-73** | **-76** | **-74.5** |
| 358 | **714** | **-77** | **-72** | **-74.5** |
| 359 | **716** | **-72** | **-73** | **-72.5** |
| 360 | **718** | **-72** | **-71** | **-71.5** |
| 361 | **720** | **-71** | **-69** | **-70** |
| 362 | **722** | **-72** | **-77** | **-74.5** |
| 363 | **724** | **-74** | **-79** | **-76.5** |
| 364 | **726** | **-73** | **-74** | **-73.5** |
| 365 | **728** | **-72** | **-72** | **-72** |

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| 366 | **730** | **-70** | **-71** | **-70.5** |
| 367 | **732** | **-75** | **-72** | **-73.5** |
| 368 | **734** | **-74** | **-75** | **-74.5** |
| 369 | **736** | **-76** | **-74** | **-75** |
| 370 | **738** | **-71** | **-72** | **-71.5** |
| 371 | **740** | **-75** | **-73** | **-74** |
| 372 | **742** | **-74** | **-77** | **-75.5** |
| 373 | **744** | **-75** | **-70** | **-72.5** |
| 374 | **746** | **-73** | **-72** | **-72.5** |
| 375 | **748** | **-73** | **-71** | **-72** |
| 376 | **750** | **-71** | **-70** | **-70.5** |
| 377 | **752** | **-72** | **-74** | **-73** |
| 378 | **754** | **-68** | **-71** | **-69.5** |
| 379 | **756** | **-69** | **-72** | **-70.5** |
| 380 | **758** | **-70** | **-70** | **-70** |
| 381 | **760** | **-71** | **-74** | **-72.5** |
| 382 | **762** | **-73** | **-71** | **-72** |
| 383 | **764** | **-71** | **-74** | **-72.5** |
| 384 | **766** | **-70** | **-81** | **-75.5** |
| 385 | **768** | **-75** | **-76** | **-75.5** |
| 386 | **770** | **-76** | **-74** | **-75** |
| 387 | **772** | **-76** | **-74** | **-75** |
| 388 | **774** | **-78** | **-73** | **-75.5** |
| 389 | **776** | **-77** | **-71** | **-74** |
| 390 | **778** | **-75** | **-74** | **-74.5** |
| 391 | **780** | **-76** | **-76** | **-76** |
| 392 | **782** | **-76** | **-72** | **-74** |
| 393 | **784** | **-75** | **-73** | **-74** |
| 394 | **786** | **-72** | **-71** | **-71.5** |
| 395 | **788** | **-75** | **-69** | **-72** |
| 396 | **790** | **-77** | **-81** | **-79** |
| 397 | **792** | **-76** | **-79** | **-77.5** |
| 398 | **794** | **-78** | **-74** | **-76** |
| 399 | **796** | **-79** | **-72** | **-75.5** |

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| 400 | **798** | **-75** | **-70** | **-72.5** |
| 401 | **800** | **-76** | **-72** | **-74** |
| 402 | **802** | **-77** | **-75** | **-76** |
| 403 | **804** | **-75** | **-74** | **-74.5** |
| 404 | **806** | **-78** | **-72** | **-75** |
| 405 | **808** | **-75** | **-73** | **-74** |
| 406 | **810** | **-76** | **-77** | **-76.5** |
| 407 | **812** | **-75** | **-72** | **-73.5** |
| 408 | **814** | **-79** | **-72** | **-75.5** |
| 409 | **816** | **-79** | **-71** | **-75** |
| 410 | **818** | **-78** | **-76** | **-77** |
| 411 | **820** | **-78** | **-74** | **-76** |
| 412 | **822** | **-78** | **-73** | **-75.5** |
| 413 | **824** | **-75** | **-72** | **-73.5** |
| 414 | **826** | **-74** | **-70** | **-72** |
| 415 | **828** | **-79** | **-75** | **-77** |
| 416 | **830** | **-79** | **-71** | **-75** |
| 417 | **832** | **-74** | **-74** | **-74** |
| 418 | **834** | **-72** | **-81** | **-76.5** |
| 419 | **836** | **-70** | **-76** | **-73** |
| 420 | **838** | **-72** | **-74** | **-73** |
| 421 | **840** | **-75** | **-74** | **-74.5** |
| 422 | **842** | **-74** | **-73** | **-73.5** |
| 423 | **844** | **-72** | **-71** | **-71.5** |
| 424 | **846** | **-73** | **-74** | **-73.5** |
| 425 | **848** | **-77** | **-76** | **-76.5** |
| 426 | **850** | **-72** | **-72** | **-72** |
| 427 | **852** | **-72** | **-73** | **-72.5** |
| 428 | **854** | **-71** | **-71** | **-71** |
| 429 | **856** | **-76** | **-69** | **-72.5** |
| 430 | **858** | **-74** | **-81** | **-77.5** |
| 431 | **860** | **-73** | **-79** | **-76** |
| 432 | **862** | **-72** | **-74** | **-73** |
| 433 | **864** | **-70** | **-72** | **-71** |

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| 434 | **866** | **-75** | **-70** | **-72.5** |
| 435 | **868** | **-74** | **-72** | **-73** |
| 436 | **870** | **-78** | **-75** | **-76.5** |
| 437 | **872** | **-71** | **-74** | **-72.5** |
| 438 | **874** | **-72** | **-72** | **-72** |
| 439 | **876** | **-74** | **-73** | **-73.5** |
| 440 | **878** | **-75** | **-77** | **-76** |
| 441 | **880** | **-77** | **-72** | **-74.5** |
| 442 | **882** | **-74** | **-72** | **-73** |
| 443 | **884** | **-71** | **-71** | **-71** |
| 444 | **886** | **-72** | **-76** | **-74** |
| 445 | **888** | **-68** | **-74** | **-71** |
| 446 | **890** | **-69** | **-73** | **-71** |
| 447 | **892** | **-70** | **-72** | **-71** |
| 448 | **894** | **-76** | **-70** | **-73** |
| 449 | **896** | **-74** | **-75** | **-74.5** |
| 450 | **898** | **-71** | **-71** | **-71** |
| 451 | **900** | **-70** | **-74** | **-72** |
| 452 | **902** | **-75** | **-81** | **-78** |
| 453 | **904** | **-76** | **-76** | **-76** |
| 454 | **906** | **-75** | **-74** | **-74.5** |
| 455 | **908** | **-78** | **-74** | **-76** |
| 456 | **910** | **-77** | **-73** | **-75** |
| 457 | **912** | **-74** | **-71** | **-72.5** |
| 458 | **914** | **-76** | **-74** | **-75** |
| 459 | **916** | **-81** | **-76** | **-78.5** |
| 460 | **918** | **-75** | **-72** | **-73.5** |
| 461 | **920** | **-73** | **-73** | **-73** |
| 462 | **922** | **-78** | **-71** | **-74.5** |
| 463 | **924** | **-75** | **-69** | **-72** |
| 464 | **926** | **-76** | **-81** | **-78.5** |
| 465 | **928** | **-78** | **-79** | **-78.5** |
| 466 | **930** | **-77** | **-74** | **-75.5** |
| 467 | **932** | **-75** | **-72** | **-73.5** |

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| 468 | **934** | **-79** | **-70** | **-74.5** |
| 469 | **936** | **-77** | **-72** | **-74.5** |
| 470 | **938** | **-75** | **-75** | **-75** |
| 471 | **940** | **-78** | **-74** | **-76** |
| 472 | **942** | **-73** | **-72** | **-72.5** |
| 473 | **944** | **-76** | **-73** | **-74.5** |
| 474 | **946** | **-75** | **-77** | **-76** |
| 475 | **948** | **-79** | **-72** | **-75.5** |
| 476 | **950** | **-75** | **-72** | **-73.5** |
| 477 | **952** | **-78** | **-71** | **-74.5** |
| 478 | **954** | **-81** | **-76** | **-78.5** |
| 479 | **956** | **-78** | **-74** | **-76** |
| 480 | **958** | **-75** | **-73** | **-74** |
| 481 | **960** | **-74** | **-72** | **-73** |
| 482 | **962** | **-79** | **-70** | **-74.5** |
| 483 | **964** | **-75** | **-75** | **-75** |
| 484 | **966** | **-74** | **-71** | **-72.5** |
| 485 | **968** | **-72** | **-74** | **-73** |
| 486 | **970** | **-70** | **-81** | **-75.5** |
| 487 | **972** | **-72** | **-76** | **-74** |
| 488 | **974** | **-75** | **-74** | **-74.5** |
| 489 | **976** | **-74** | **-74** | **-74** |
| 490 | **978** | **-72** | **-73** | **-72.5** |
| 491 | **980** | **-73** | **-71** | **-72** |
| 492 | **982** | **-77** | **-74** | **-75.5** |
| 493 | **984** | **-72** | **-76** | **-74** |
| 494 | **986** | **-72** | **-72** | **-72** |
| 495 | **988** | **-74** | **-73** | **-73.5** |
| 496 | **990** | **-81** | **-71** | **-76** |
| 497 | **992** | **-74** | **-69** | **-71.5** |
| 498 | **994** | **-73** | **-81** | **-77** |
| 499 | **996** | **-72** | **-79** | **-75.5** |
| 500 | **998** | **-71** | **-74** | **-72.5** |
| 501 | **1000** | **-75** | **-72** | **-73.5** |

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| 502 | **1002** | **-74** | **-70** | **-72** |
| 503 | **1004** | **-76** | **-72** | **-74** |
| 504 | **1006** | **-72** | **-75** | **-73.5** |
| 505 | **1008** | **-75** | **-74** | **-74.5** |
| 506 | **1010** | **-74** | **-72** | **-73** |
| 507 | **1012** | **-78** | **-73** | **-75.5** |
| 508 | **1014** | **-77** | **-77** | **-77** |
| 509 | **1016** | **-73** | **-72** | **-72.5** |
| 510 | **1018** | **-71** | **-72** | **-71.5** |
| 511 | **1020** | **-72** | **-71** | **-71.5** |
| 512 | **1022** | **-70** | **-76** | **-73** |
| 513 | **1024** | **-74** | **-74** | **-74** |
| 514 | **1026** | **-72** | **-73** | **-72.5** |
| 515 | **1028** | **-70** | **-72** | **-71** |
| 516 | **1030** | **-72** | **-70** | **-71** |
| 517 | **1032** | **-75** | **-75** | **-75** |
| 518 | **1034** | **-74** | **-71** | **-72.5** |
| 519 | **1036** | **-72** | **-74** | **-73** |
| 520 | **1038** | **-73** | **-81** | **-77** |
| 521 | **1040** | **-77** | **-76** | **-76.5** |
| 522 | **1042** | **-72** | **-74** | **-73** |
| 523 | **1044** | **-72** | **-74** | **-73** |
| 524 | **1046** | **-71** | **-73** | **-72** |
| 525 | **1048** | **-76** | **-71** | **-73.5** |
| 526 | **1050** | **-74** | **-74** | **-74** |
| 527 | **1052** | **-73** | **-76** | **-74.5** |
| 528 | **1054** | **-72** | **-72** | **-72** |
| 529 | **1056** | **-70** | **-73** | **-71.5** |
| 530 | **1058** | **-75** | **-71** | **-73** |
| 531 | **1060** | **-74** | **-69** | **-71.5** |
| 532 | **1062** | **-76** | **-81** | **-78.5** |
| 533 | **1064** | **-71** | **-79** | **-75** |
| 534 | **1066** | **-75** | **-74** | **-74.5** |
| 535 | **1068** | **-74** | **-72** | **-73** |

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| 536 | **1070** | **-75** | **-70** | **-72.5** |
| 537 | **1072** | **-77** | **-72** | **-74.5** |
| 538 | **1074** | **-73** | **-75** | **-74** |
| 539 | **1076** | **-71** | **-74** | **-72.5** |
| 540 | **1078** | **-72** | **-72** | **-72** |
| 541 | **1080** | **-68** | **-73** | **-70.5** |
| 542 | **1082** | **-69** | **-77** | **-73** |
| 543 | **1084** | **-70** | **-72** | **-71** |
| 544 | **1086** | **-71** | **-72** | **-71.5** |
| 545 | **1088** | **-73** | **-71** | **-72** |
| 546 | **1090** | **-71** | **-76** | **-73.5** |
| 547 | **1092** | **-70** | **-74** | **-72** |
| 548 | **1094** | **-75** | **-73** | **-74** |
| 549 | **1096** | **-76** | **-72** | **-74** |
| 550 | **1098** | **-76** | **-70** | **-73** |
| 551 | **1100** | **-78** | **-75** | **-76.5** |
| 552 | **1102** | **-78** | **-76** | **-77** |
| 553 | **1104** | **-75** | **-74** | **-74.5** |
| 554 | **1106** | **-75** | **-73** | **-74** |
| 555 | **1108** | **-75** | **-72** | **-73.5** |
| 556 | **1110** | **-78** | **-70** | **-74** |
| 557 | **1112** | **-76** | **-75** | **-75.5** |
| 558 | **1114** | **-77** | **-74** | **-75.5** |
| 559 | **1116** | **-75** | **-76** | **-75.5** |
| 560 | **1118** | **-75** | **-71** | **-73** |
| 561 | **1120** | **-76** | **-75** | **-75.5** |
| 562 | **1122** | **-79** | **-74** | **-76.5** |
| 563 | **1124** | **-80** | **-78** | **-79** |
| 564 | **1126** | **-79** | **-83** | **-81** |
| 565 | **1128** | **-80** | **-84** | **-82** |
| 566 | **1130** | **-79** | **-82** | **-80.5** |
| 567 | **1132** | **-80** | **-84** | **-82** |
| 568 | **1134** | **-79** | **-82** | **-80.5** |
| 569 | **1136** | **-80** | **-83** | **-81.5** |

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| 570 | **1138** | **-82** | **-84** | **-83** |
| 571 | **1140** | **-81** | **-81** | **-81** |
| 572 | **1142** | **-81** | **-85** | **-83** |
| 573 | **1144** | **-85** | **-86** | **-85.5** |
| 574 | **1146** | **-87** | **-87** | **-87** |
| 575 | **1148** | **-82** | **-85** | **-83.5** |
| 576 | **1150** | **-83** | **-85** | **-84** |
| 577 | **1152** | **-84** | **-88** | **-86** |
| 578 | **1154** | **-82** | **-85** | **-83.5** |
| 579 | **1156** | **-84** | **-89** | **-86.5** |
| 580 | **1158** | **-82** | **-86** | **-84** |
| 581 | **1160** | **-83** | **-86** | **-84.5** |
| 582 | **1162** | **-84** | **-87** | **-85.5** |
| 583 | **1164** | **-81** | **-79** | **-80** |
| 584 | **1166** | **-85** | **-87** | **-86** |
| 585 | **1168** | **-86** | **-90** | **-88** |
| 586 | **1170** | **-87** | **-84** | **-85.5** |
| 587 | **1172** | **-85** | **-88** | **-86.5** |
| 588 | **1174** | **-85** | **-89** | **-87** |
| 589 | **1176** | **-88** | **-81** | **-84.5** |
| 590 | **1178** | **-85** | **-82** | **-83.5** |
| 591 | **1180** | **-89** | **-84** | **-86.5** |
| 592 | **1182** | **-86** | **-85** | **-85.5** |
| 593 | **1184** | **-86** | **-86** | **-86** |
| 594 | **1186** | **-87** | **-85** | **-86** |
| 595 | **1188** | **-79** | **-84** | **-81.5** |
| 596 | **1190** | **-87** | **-84** | **-85.5** |
| 597 | **1192** | **-90** | **-84** | **-87** |
| 598 | **1194** | **-84** | **-81** | **-82.5** |
| 599 | **1196** | **-88** | **-82** | **-85** |
| 600 | **1198** | **-89** | **-86** | **-87.5** |
| 601 | **1200** | **-81** | **-83** | **-82** |
| 602 | **1202** | **-82** | **-82** | **-82** |
| 603 | **1204** | **-84** | **-81** | **-82.5** |

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| 604 | **1206** | **-85** | **-89** | **-87** |
| 605 | **1208** | **-86** | **-83** | **-84.5** |
| 606 | **1210** | **-85** | **-82** | **-83.5** |
| 607 | **1212** | **-84** | **-87** | **-85.5** |
| 608 | **1214** | **-84** | **-83** | **-83.5** |
| 609 | **1216** | **-84** | **-82** | **-83** |
| 610 | **1218** | **-81** | **-83** | **-82** |
| 611 | **1220** | **-82** | **-84** | **-83** |
| 612 | **1222** | **-86** | **-85** | **-85.5** |
| 613 | **1224** | **-83** | **-82** | **-82.5** |
| 614 | **1226** | **-82** | **-84** | **-83** |
| 615 | **1228** | **-81** | **-85** | **-83** |
| 616 | **1230** | **-89** | **-79** | **-84** |
| 617 | **1232** | **-83** | **-78** | **-80.5** |
| 618 | **1234** | **-82** | **-80** | **-81** |
| 619 | **1236** | **-87** | **-83** | **-85** |
| 620 | **1238** | **-83** | **-83** | **-83** |
| 621 | **1240** | **-82** | **-85** | **-83.5** |
| 622 | **1242** | **-83** | **-87** | **-85** |
| 623 | **1244** | **-84** | **-84** | **-84** |
| 624 | **1246** | **-85** | **-84** | **-84.5** |
| 625 | **1248** | **-82** | **-85** | **-83.5** |
| 626 | **1250** | **-84** | **-85** | **-84.5** |
| 627 | **1252** | **-85** | **-89** | **-87** |
| 628 | **1254** | **-79** | **-83** | **-81** |
| 629 | **1256** | **-78** | **-86** | **-82** |
| 630 | **1258** | **-80** | **-85** | **-82.5** |
| 631 | **1260** | **-83** | **-84** | **-83.5** |
| 632 | **1262** | **-83** | **-82** | **-82.5** |
| 633 | **1264** | **-85** | **-83** | **-84** |
| 634 | **1266** | **-87** | **-85** | **-86** |
| 635 | **1268** | **-84** | **-84** | **-84** |
| 636 | **1270** | **-84** | **-85** | **-84.5** |
| 637 | **1272** | **-85** | **-86** | **-85.5** |

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| 638 | **1274** | **-85** | **-83** | **-84** |
| 639 | **1276** | **-89** | **-84** | **-86.5** |
| 640 | **1278** | **-83** | **-81** | **-82** |
| 641 | **1280** | **-86** | **-83** | **-84.5** |
| 642 | **1282** | **-85** | **-82** | **-83.5** |
| 643 | **1284** | **-84** | **-83** | **-83.5** |
| 644 | **1286** | **-82** | **-84** | **-83** |
| 645 | **1288** | **-83** | **-82** | **-82.5** |
| 646 | **1290** | **-85** | **-84** | **-84.5** |
| 647 | **1292** | **-84** | **-82** | **-83** |
| 648 | **1294** | **-85** | **-83** | **-84** |
| 649 | **1296** | **-86** | **-84** | **-85** |
| 650 | **1298** | **-83** | **-81** | **-82** |
| 651 | **1300** | **-84** | **-85** | **-84.5** |
| 652 | **1302** | **-81** | **-86** | **-83.5** |
| 653 | **1304** | **-83** | **-87** | **-85** |
| 654 | **1306** | **-82** | **-85** | **-83.5** |
| 655 | **1308** | **-83** | **-85** | **-84** |
| 656 | **1310** | **-85** | **-88** | **-86.5** |
| 657 | **1312** | **-83** | **-85** | **-84** |
| 658 | **1314** | **-85** | **-89** | **-87** |
| 659 | **1316** | **-83** | **-86** | **-84.5** |
| 660 | **1318** | **-82** | **-86** | **-84** |
| 661 | **1320** | **-87** | **-87** | **-87** |
| 662 | **1322** | **-89** | **-79** | **-84** |
| 663 | **1324** | **-86** | **-87** | **-86.5** |
| 664 | **1326** | **-85** | **-90** | **-87.5** |
| 665 | **1328** | **-84** | **-84** | **-84** |
| 666 | **1330** | **-85** | **-88** | **-86.5** |
| 667 | **1332** | **-86** | **-89** | **-87.5** |
| 668 | **1334** | **-85** | **-81** | **-83** |
| 669 | **1336** | **-86** | **-82** | **-84** |
| 670 | **1338** | **-85** | **-84** | **-84.5** |
| 671 | **1340** | **-88** | **-85** | **-86.5** |

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| 672 | **1342** | **-83** | **-86** | **-84.5** |
| 673 | **1344** | **-84** | **-85** | **-84.5** |
| 674 | **1346** | **-86** | **-84** | **-85** |
| 675 | **1348** | **-84** | **-84** | **-84** |
| 676 | **1350** | **-88** | **-84** | **-86** |
| 677 | **1352** | **-87** | **-81** | **-84** |
| 678 | **1354** | **-90** | **-82** | **-86** |
| 679 | **1356** | **-87** | **-86** | **-86.5** |
| 680 | **1358** | **-85** | **-83** | **-84** |
| 681 | **1360** | **-81** | **-82** | **-81.5** |
| 682 | **1362** | **-79** | **-81** | **-80** |
| 683 | **1364** | **-84** | **-89** | **-86.5** |
| 684 | **1366** | **-85** | **-83** | **-84** |
| 685 | **1368** | **-89** | **-82** | **-85.5** |
| 686 | **1370** | **-87** | **-87** | **-87** |
| 687 | **1372** | **-87** | **-83** | **-85** |
| 688 | **1374** | **-85** | **-82** | **-83.5** |
| 689 | **1376** | **-86** | **-83** | **-84.5** |
| 690 | **1378** | **-84** | **-84** | **-84** |
| 691 | **1380** | **-87** | **-85** | **-86** |
| 692 | **1382** | **-88** | **-82** | **-85** |
| 693 | **1384** | **-87** | **-84** | **-85.5** |
| 694 | **1386** | **-84** | **-85** | **-84.5** |
| 695 | **1388** | **-88** | **-79** | **-83.5** |
| 696 | **1390** | **-87** | **-78** | **-82.5** |
| 697 | **1392** | **-78** | **-80** | **-79** |
| 698 | **1394** | **-75** | **-83** | **-79** |
| 699 | **1396** | **-75** | **-83** | **-79** |
| 700 | **1398** | **-75** | **-85** | **-80** |
| 701 | **1400** | **-78** | **-87** | **-82.5** |
| 702 | **1402** | **-76** | **-84** | **-80** |
| 703 | **1404** | **-77** | **-84** | **-80.5** |
| 704 | **1406** | **-75** | **-85** | **-80** |
| 705 | **1408** | **-75** | **-85** | **-80** |

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| 706 | **1410** | **-76** | **-89** | **-82.5** |
| 707 | **1412** | **-79** | **-83** | **-81** |
| 708 | **1414** | **-80** | **-86** | **-83** |
| 709 | **1416** | **-79** | **-85** | **-82** |
| 710 | **1418** | **-80** | **-84** | **-82** |
| 711 | **1420** | **-79** | **-82** | **-80.5** |
| 712 | **1422** | **-80** | **-83** | **-81.5** |
| 713 | **1424** | **-79** | **-85** | **-82** |
| 714 | **1426** | **-80** | **-84** | **-82** |
| 715 | **1428** | **-82** | **-85** | **-83.5** |
| 716 | **1430** | **-81** | **-86** | **-83.5** |
| 717 | **1432** | **-81** | **-83** | **-82** |
| 718 | **1434** | **-85** | **-84** | **-84.5** |
| 719 | **1436** | **-87** | **-81** | **-84** |
| 720 | **1438** | **-82** | **-83** | **-82.5** |
| 721 | **1440** | **-83** | **-82** | **-82.5** |
| 722 | **1442** | **-84** | **-83** | **-83.5** |
| 723 | **1444** | **-82** | **-84** | **-83** |
| 724 | **1446** | **-84** | **-82** | **-83** |
| 725 | **1448** | **-82** | **-84** | **-83** |
| 726 | **1450** | **-83** | **-82** | **-82.5** |
| 727 | **1452** | **-84** | **-83** | **-83.5** |
| 728 | **1454** | **-81** | **-84** | **-82.5** |
| 729 | **1456** | **-85** | **-81** | **-83** |
| 730 | **1458** | **-86** | **-85** | **-85.5** |
| 731 | **1460** | **-87** | **-86** | **-86.5** |
| 732 | **1462** | **-85** | **-87** | **-86** |
| 733 | **1464** | **-85** | **-85** | **-85** |
| 734 | **1466** | **-88** | **-85** | **-86.5** |
| 735 | **1468** | **-85** | **-88** | **-86.5** |
| 736 | **1470** | **-89** | **-85** | **-87** |
| 737 | **1472** | **-86** | **-89** | **-87.5** |
| 738 | **1474** | **-86** | **-86** | **-86** |
| 739 | **1476** | **-87** | **-86** | **-86.5** |

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| 740 | **1478** | **-79** | **-87** | **-83** |
| 741 | **1480** | **-87** | **-79** | **-83** |
| 742 | **1482** | **-90** | **-87** | **-88.5** |
| 743 | **1484** | **-84** | **-90** | **-87** |
| 744 | **1486** | **-88** | **-84** | **-86** |
| 745 | **1488** | **-89** | **-88** | **-88.5** |
| 746 | **1490** | **-81** | **-89** | **-85** |
| 747 | **1492** | **-82** | **-81** | **-81.5** |
| 748 | **1494** | **-84** | **-82** | **-83** |
| 749 | **1496** | **-85** | **-84** | **-84.5** |
| 750 | **1498** | **-86** | **-85** | **-85.5** |
| 751 | **1500** | **-85** | **-86** | **-85.5** |
| 752 | **1502** | **-84** | **-85** | **-84.5** |
| 753 | **1504** | **-84** | **-84** | **-84** |
| 754 | **1506** | **-84** | **-84** | **-84** |
| 755 | **1508** | **-81** | **-84** | **-82.5** |
| 756 | **1510** | **-82** | **-81** | **-81.5** |
| 757 | **1512** | **-86** | **-82** | **-84** |
| 758 | **1514** | **-83** | **-86** | **-84.5** |
| 759 | **1516** | **-82** | **-83** | **-82.5** |
| 760 | **1518** | **-81** | **-82** | **-81.5** |
| 761 | **1520** | **-89** | **-81** | **-85** |
| 762 | **1522** | **-83** | **-89** | **-86** |
| 763 | **1524** | **-82** | **-83** | **-82.5** |
| 764 | **1526** | **-87** | **-82** | **-84.5** |
| 765 | **1528** | **-83** | **-87** | **-85** |
| 766 | **1530** | **-82** | **-83** | **-82.5** |
| 767 | **1532** | **-84** | **-82** | **-83** |
| 768 | **1534** | **-86** | **-83** | **-84.5** |
| 769 | **1536** | **-85** | **-84** | **-84.5** |
| 770 | **1538** | **-82** | **-85** | **-83.5** |
| 771 | **1540** | **-84** | **-82** | **-83** |
| 772 | **1542** | **-85** | **-84** | **-84.5** |
| 773 | **1544** | **-79** | **-85** | **-82** |

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| 774 | **1546** | **-78** | **-79** | **-78.5** |
| 775 | **1548** | **-80** | **-78** | **-79** |
| 776 | **1550** | **-83** | **-80** | **-81.5** |
| 777 | **1552** | **-83** | **-83** | **-83** |
| 778 | **1554** | **-85** | **-83** | **-84** |
| 779 | **1556** | **-87** | **-85** | **-86** |
| 780 | **1558** | **-84** | **-87** | **-85.5** |
| 781 | **1560** | **-84** | **-84** | **-84** |
| 782 | **1562** | **-85** | **-84** | **-84.5** |
| 783 | **1564** | **-85** | **-85** | **-85** |
| 784 | **1566** | **-89** | **-85** | **-87** |
| 785 | **1568** | **-83** | **-89** | **-86** |
| 786 | **1570** | **-86** | **-83** | **-84.5** |
| 787 | **1572** | **-85** | **-86** | **-85.5** |
| 788 | **1574** | **-84** | **-85** | **-84.5** |
| 789 | **1576** | **-82** | **-84** | **-83** |
| 790 | **1578** | **-83** | **-82** | **-82.5** |
| 791 | **1580** | **-85** | **-83** | **-84** |
| 792 | **1582** | **-84** | **-85** | **-84.5** |
| 793 | **1584** | **-85** | **-84** | **-84.5** |
| 794 | **1586** | **-86** | **-85** | **-85.5** |
| 795 | **1588** | **-83** | **-86** | **-84.5** |
| 796 | **1590** | **-84** | **-83** | **-83.5** |
| 797 | **1592** | **-81** | **-84** | **-82.5** |
| 798 | **1594** | **-83** | **-81** | **-82** |
| 799 | **1596** | **-82** | **-83** | **-82.5** |
| 800 | **1598** | **-83** | **-82** | **-82.5** |
| 801 | **1600** | **-85** | **-83** | **-84** |
| 802 | **1602** | **-83** | **-84** | **-83.5** |
| 803 | **1604** | **-85** | **-82** | **-83.5** |
| 804 | **1606** | **-83** | **-84** | **-83.5** |
| 805 | **1608** | **-82** | **-82** | **-82** |
| 806 | **1610** | **-87** | **-83** | **-85** |
| 807 | **1612** | **-89** | **-84** | **-86.5** |

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| 808 | **1614** | **-86** | **-81** | **-83.5** |
| 809 | **1616** | **-85** | **-85** | **-85** |
| 810 | **1618** | **-84** | **-86** | **-85** |
| 811 | **1620** | **-85** | **-87** | **-86** |
| 812 | **1622** | **-86** | **-85** | **-85.5** |
| 813 | **1624** | **-85** | **-85** | **-85** |
| 814 | **1626** | **-86** | **-88** | **-87** |
| 815 | **1628** | **-85** | **-85** | **-85** |
| 816 | **1630** | **-88** | **-89** | **-88.5** |
| 817 | **1632** | **-83** | **-86** | **-84.5** |
| 818 | **1634** | **-84** | **-86** | **-85** |
| 819 | **1636** | **-86** | **-87** | **-86.5** |
| 820 | **1638** | **-84** | **-79** | **-81.5** |
| 821 | **1640** | **-88** | **-87** | **-87.5** |
| 822 | **1642** | **-87** | **-90** | **-88.5** |
| 823 | **1644** | **-90** | **-84** | **-87** |
| 824 | **1646** | **-87** | **-88** | **-87.5** |
| 825 | **1648** | **-85** | **-89** | **-87** |
| 826 | **1650** | **-81** | **-81** | **-81** |
| 827 | **1652** | **-79** | **-82** | **-80.5** |
| 828 | **1654** | **-84** | **-84** | **-84** |
| 829 | **1656** | **-85** | **-85** | **-85** |
| 830 | **1658** | **-89** | **-86** | **-87.5** |
| 831 | **1660** | **-87** | **-85** | **-86** |
| 832 | **1662** | **-87** | **-84** | **-85.5** |
| 833 | **1664** | **-85** | **-84** | **-84.5** |
| 834 | **1666** | **-86** | **-84** | **-85** |
| 835 | **1668** | **-84** | **-81** | **-82.5** |
| 836 | **1670** | **-87** | **-82** | **-84.5** |
| 837 | **1672** | **-88** | **-86** | **-87** |
| 838 | **1674** | **-87** | **-83** | **-85** |
| 839 | **1676** | **-84** | **-82** | **-83** |
| 840 | **1678** | **-88** | **-81** | **-84.5** |
| 841 | **1680** | **-87** | **-89** | **-88** |

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| 842 | **1682** | **-78** | **-83** | **-80.5** |
| 843 | **1684** | **-85** | **-82** | **-83.5** |
| 844 | **1686** | **-84** | **-85** | **-84.5** |
| 845 | **1688** | **-85** | **-83** | **-84** |
| 846 | **1690** | **-89** | **-82** | **-85.5** |
| 847 | **1692** | **-87** | **-84** | **-85.5** |
| 848 | **1694** | **-87** | **-89** | **-88** |
| 849 | **1696** | **-85** | **-86** | **-85.5** |
| 850 | **1698** | **-86** | **-85** | **-85.5** |
| 851 | **1700** | **-87** | **-85** | **-86** |
| 852 | **1702** | **-89** | **-87** | **-88** |
| 853 | **1704** | **-91** | **-89** | **-90** |
| 854 | **1706** | **-90** | **-87** | **-88.5** |
| 855 | **1708** | **-91** | **-90** | **-90.5** |
| 856 | **1710** | **-92** | **-89** | **-90.5** |
| 857 | **1712** | **-93** | **-86** | **-89.5** |
| 858 | **1714** | **-91** | **-85** | **-88** |
| 859 | **1716** | **-92** | **-87** | **-89.5** |
| 860 | **1718** | **-93** | **-90** | **-91.5** |
| 861 | **1720** | **-95** | **-92** | **-93.5** |
| 862 | **1722** | **-97** | **-95** | **-96** |
| 863 | **1724** | **-96** | **-96** | **-96** |
| 864 | **1726** | **-92** | **-94** | **-93** |
| 865 | **1728** | **-95** | **-89** | **-92** |
| 866 | **1730** | **-98** | **-91** | **-94.5** |
| 867 | **1732** | **-97** | **-90** | **-93.5** |
| 868 | **1734** | **-94** | **-91** | **-92.5** |
| 869 | **1736** | **-91** | **-92** | **-91.5** |
| 870 | **1738** | **-91** | **-93** | **-92** |
| 871 | **1740** | **-95** | **-91** | **-93** |
| 872 | **1742** | **-93** | **-92** | **-92.5** |
| 873 | **1744** | **-93** | **-93** | **-93** |
| 874 | **1746** | **-94** | **-95** | **-94.5** |
| 875 | **1748** | **-97** | **-97** | **-97** |

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| 876 | **1750** | **-95** | **-96** | **-95.5** |
| 877 | **1752** | **-94** | **-92** | **-93** |
| 878 | **1754** | **-96** | **-95** | **-95.5** |
| 879 | **1756** | **-94** | **-98** | **-96** |
| 880 | **1758** | **-95** | **-97** | **-96** |
| 881 | **1760** | **-98** | **-94** | **-96** |
| 882 | **1762** | **-93** | **-91** | **-92** |
| 883 | **1764** | **-89** | **-91** | **-90** |
| 884 | **1766** | **-99** | **-95** | **-97** |
| 885 | **1768** | **-85** | **-92** | **-88.5** |
| 886 | **1770** | **-95** | **-95** | **-95** |
| 887 | **1772** | **-90** | **-96** | **-93** |
| 888 | **1774** | **-92** | **-94** | **-93** |
| 889 | **1776** | **-95** | **-89** | **-92** |
| 890 | **1778** | **-96** | **-91** | **-93.5** |
| 891 | **1780** | **-94** | **-90** | **-92** |
| 892 | **1782** | **-89** | **-91** | **-90** |
| 893 | **1784** | **-91** | **-92** | **-91.5** |
| 894 | **1786** | **-90** | **-93** | **-91.5** |
| 895 | **1788** | **-91** | **-91** | **-91** |
| 896 | **1790** | **-92** | **-92** | **-92** |
| 897 | **1792** | **-93** | **-93** | **-93** |
| 898 | **1794** | **-91** | **-95** | **-93** |
| 899 | **1796** | **-92** | **-97** | **-94.5** |
| 900 | **1798** | **-93** | **-96** | **-94.5** |
| 901 | **1800** | **-95** | **-92** | **-93.5** |
| 902 | **1802** | **-97** | **-95** | **-96** |
| 903 | **1804** | **-96** | **-98** | **-97** |
| 904 | **1806** | **-92** | **-97** | **-94.5** |
| 905 | **1808** | **-95** | **-94** | **-94.5** |
| 906 | **1810** | **-98** | **-91** | **-94.5** |
| 907 | **1812** | **-97** | **-91** | **-94** |
| 908 | **1814** | **-94** | **-95** | **-94.5** |
| 909 | **1816** | **-91** | **-92** | **-91.5** |

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| 910 | **1818** | **-91** | **-95** | **-93** |
| 911 | **1820** | **-95** | **-96** | **-95.5** |
| 912 | **1822** | **-93** | **-94** | **-93.5** |
| 913 | **1824** | **-93** | **-89** | **-91** |
| 914 | **1826** | **-94** | **-91** | **-92.5** |
| 915 | **1828** | **-97** | **-90** | **-93.5** |
| 916 | **1830** | **-95** | **-91** | **-93** |
| 917 | **1832** | **-94** | **-92** | **-93** |
| 918 | **1834** | **-96** | **-93** | **-94.5** |
| 919 | **1836** | **-94** | **-91** | **-92.5** |
| 920 | **1838** | **-95** | **-92** | **-93.5** |
| 921 | **1840** | **-98** | **-93** | **-95.5** |
| 922 | **1842** | **-93** | **-95** | **-94** |
| 923 | **1844** | **-89** | **-97** | **-93** |
| 924 | **1846** | **-99** | **-96** | **-97.5** |
| 925 | **1848** | **-90** | **-92** | **-91** |
| 926 | **1850** | **-95** | **-95** | **-95** |
| 927 | **1852** | **-89** | **-98** | **-93.5** |
| 928 | **1854** | **-92** | **-97** | **-94.5** |
| 929 | **1856** | **-95** | **-94** | **-94.5** |
| 930 | **1858** | **-96** | **-91** | **-93.5** |
| 931 | **1860** | **-94** | **-91** | **-92.5** |
| 932 | **1862** | **-89** | **-95** | **-92** |
| 933 | **1864** | **-91** | **-92** | **-91.5** |
| 934 | **1866** | **-96** | **-92** | **-94** |
| 935 | **1868** | **-94** | **-93** | **-93.5** |
| 936 | **1870** | **-95** | **-93** | **-94** |
| 937 | **1872** | **-96** | **-95** | **-95.5** |
| 938 | **1874** | **-97** | **-96** | **-96.5** |
| 939 | **1876** | **-95** | **-93** | **-94** |
| 940 | **1878** | **-96** | **-95** | **-95.5** |
| 941 | **1880** | **-96** | **-96** | **-96** |
| 942 | **1882** | **-95** | **-97** | **-96** |
| 943 | **1884** | **-99** | **-94** | **-96.5** |

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| 944 | **1886** | **-93** | **-95** | **-94** |
| 945 | **1888** | **-95** | **-97** | **-96** |
| 946 | **1890** | **-96** | **-96** | **-96** |
| 947 | **1892** | **-95** | **-97** | **-96** |
| 948 | **1894** | **-91** | **-98** | **-94.5** |
| 949 | **1896** | **-92** | **-99** | **-95.5** |
| 950 | **1898** | **-93** | **-98** | **-95.5** |
| 951 | **1900** | **-93** | **-99** | **-96** |
| 952 | **1902** | **-95** | **-101** | **-98** |
| 953 | **1904** | **-96** | **-98** | **-97** |
| 954 | **1906** | **-93** | **-102** | **-97.5** |
| 955 | **1908** | **-95** | **-96** | **-95.5** |
| 956 | **1910** | **-96** | **-97** | **-96.5** |
| 957 | **1912** | **-97** | **-92** | **-94.5** |
| 958 | **1914** | **-94** | **-93** | **-93.5** |
| 959 | **1916** | **-95** | **-93** | **-94** |
| 960 | **1918** | **-97** | **-95** | **-96** |
| 961 | **1920** | **-96** | **-96** | **-96** |
| 962 | **1922** | **-97** | **-93** | **-95** |
| 963 | **1924** | **-98** | **-95** | **-96.5** |
| 964 | **1926** | **-99** | **-96** | **-97.5** |
| 965 | **1928** | **-98** | **-97** | **-97.5** |
| 966 | **1930** | **-99** | **-94** | **-96.5** |
| 967 | **1932** | **-101** | **-95** | **-98** |
| 968 | **1934** | **-98** | **-97** | **-97.5** |
| 969 | **1936** | **-102** | **-96** | **-99** |
| 970 | **1938** | **-96** | **-97** | **-96.5** |
| 971 | **1940** | **-97** | **-98** | **-97.5** |
| 972 | **1942** | **-98** | **-99** | **-98.5** |
| 973 | **1944** | **-96** | **-98** | **-97** |
| 974 | **1946** | **-101** | **-99** | **-100** |
| 975 | **1948** | **-105** | **-101** | **-103** |
| 976 | **1950** | **-101** | **-98** | **-99.5** |
| 977 | **1952** | **-96** | **-102** | **-99** |

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| 978 | **1954** | **-94** | **-96** | **-95** |
| 979 | **1956** | **-95** | **-97** | **-96** |
| 980 | **1958** | **-96** | **-99** | **-97.5** |
| 981 | **1960** | **-97** | **-96** | **-96.5** |
| 982 | **1962** | **-95** | **-100** | **-97.5** |
| 983 | **1964** | **-96** | **-95** | **-95.5** |
| 984 | **1966** | **-102** | **-96** | **-99** |
| 985 | **1968** | **-95** | **-101** | **-98** |
| 986 | **1970** | **-99** | **-95** | **-97** |
| 987 | **1972** | **-99** | **-96** | **-97.5** |
| 988 | **1974** | **-101** | **-97** | **-99** |
| 989 | **1976** | **-96** | **-94** | **-95** |
| 990 | **1978** | **-95** | **-95** | **-95** |
| 991 | **1980** | **-96** | **-97** | **-96.5** |
| 992 | **1982** | **-98** | **-96** | **-97** |
| 993 | **1984** | **-101** | **-97** | **-99** |
| 994 | **1986** | **-97** | **-98** | **-97.5** |
| 995 | **1988** | **-95** | **-99** | **-97** |
| 996 | **1990** | **-104** | **-98** | **-101** |
| 997 | **1992** | **-98** | **-99** | **-98.5** |
| 998 | **1994** | **-95** | **-101** | **-98** |
| 999 | **1996** | **-96** | **-98** | **-97** |
| 1000 | **1998** | **-97** | **-102** | **-99.5** |
| 1001 | **2000** | **-105** | **-101** | **-103** |

**1.2 2G MTN**

**CELL ID; 20492**

| S/N | DISTANCE (m) | RSSI 2G (DbM) cell signal strength | RSSI 2G (DbM) net monitor | MEAN (dbm) |
|---|---|---|---|---|
| 1 | **0** | **-51** | **-53** | **-52** |
| 2 | **2** | **-52** | **-51** | **-51.5** |
| 3 | **4** | **-50** | **-52** | **-51** |
| 4 | **6** | **-49** | **-53** | **-51** |
| 5 | **8** | **-57** | **-55** | **-56** |
| 6 | **10** | **-59** | **-57** | **-58** |
| 7 | **12** | **-55** | **-51** | **-53** |
| 8 | **14** | **-49** | **-55** | **-52** |
| 9 | **16** | **-53** | **-56** | **-54.5** |
| 10 | **18** | **-51** | **-57** | **-54** |
| 11 | **20** | **-57** | **-61** | **-59** |
| 12 | **22** | **-51** | **-53** | **-52** |
| 13 | **24** | **-51** | **-58** | **-54.5** |
| 14 | **26** | **-57** | **-56** | **-56.5** |
| 15 | **28** | **-57** | **-59** | **-58** |
| 16 | **30** | **-57** | **-56** | **-56.5** |
| 17 | **32** | **-53** | **-54** | **-53.5** |
| 18 | **34** | **-55** | **-51** | **-53** |
| 19 | **36** | **-63** | **-59** | **-61** |
| 20 | **38** | **-63** | **-57** | **-60** |
| 21 | **40** | **-63** | **-60** | **-61.5** |
| 22 | **42** | **-54** | **-61** | **-57.5** |
| 23 | **44** | **-61** | **-57** | **-59** |
| 24 | **46** | **-53** | **-60** | **-56.5** |
| 25 | **48** | **-58** | **-61** | **-59.5** |

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| 26 | **50** | **-56** | **-57** | **-56.5** |
| 27 | **52** | **-59** | **-59** | **-59** |
| 28 | **54** | **-56** | **-61** | **-58.5** |
| 29 | **56** | **-54** | **-60** | **-57** |
| 30 | **58** | **-51** | **-56** | **-53.5** |
| 31 | **60** | **-69** | **-61** | **-65** |
| 32 | **62** | **-57** | **-53** | **-55** |
| 33 | **64** | **-60** | **-58** | **-59** |
| 34 | **66** | **-61** | **-56** | **-58.5** |
| 35 | **68** | **-57** | **-59** | **-58** |
| 36 | **70** | **-60** | **-56** | **-58** |
| 37 | **72** | **-61** | **-54** | **-57.5** |
| 38 | **74** | **-57** | **-51** | **-54** |
| 39 | **76** | **-59** | **-61** | **-60** |
| 40 | **78** | **-61** | **-57** | **-59** |
| 41 | **80** | **-57** | **-59** | **-58** |
| 42 | **82** | **-59** | **-55** | **-57** |
| 43 | **84** | **-59** | **-57** | **-58** |
| 44 | **86** | **-55** | **-56** | **-55.5** |
| 45 | **88** | **-53** | **-59** | **-56** |
| 46 | **90** | **-58** | **-54** | **-56** |
| 47 | **92** | **-57** | **-57** | **-57** |
| 48 | **94** | **-56** | **-58** | **-57** |
| 49 | **96** | **-59** | **-57** | **-58** |
| 50 | **98** | **-56** | **-59** | **-57.5** |
| 51 | **100** | **-59** | **-61** | **-60** |
| 52 | **102** | **-61** | **-61** | **-61** |
| 53 | **104** | **-62** | **-62** | **-62** |
| 54 | **106** | **-60** | **-60** | **-60** |
| 55 | **108** | **-59** | **-59** | **-59** |
| 56 | **110** | **-61** | **-61** | **-61** |
| 57 | **112** | **-63** | **-63** | **-63** |
| 58 | **114** | **-62** | **-62** | **-62** |
| 59 | **116** | **-59** | **-63** | **-61** |

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| 60 | **118** | **-57** | **-61** | **-59** |
| 61 | **120** | **-57** | **-59** | **-58** |
| 62 | **122** | **-59** | **-55** | **-57** |
| 63 | **124** | **-59** | **-57** | **-58** |
| 64 | **126** | **-55** | **-56** | **-55.5** |
| 65 | **128** | **-53** | **-59** | **-56** |
| 66 | **130** | **-58** | **-54** | **-56** |
| 67 | **132** | **-57** | **-57** | **-57** |
| 68 | **134** | **-56** | **-58** | **-57** |
| 69 | **136** | **-59** | **-57** | **-58** |
| 70 | **138** | **-56** | **-59** | **-57.5** |
| 71 | **140** | **-59** | **-61** | **-60** |
| 72 | **142** | **-61** | **-61** | **-61** |
| 73 | **144** | **-62** | **-62** | **-62** |
| 74 | **146** | **-60** | **-60** | **-60** |
| 75 | **148** | **-59** | **-59** | **-59** |
| 76 | **150** | **-61** | **-61** | **-61** |
| 77 | **152** | **-63** | **-63** | **-63** |
| 78 | **154** | **-62** | **-62** | **-62** |
| 79 | **156** | **-59** | **-63** | **-61** |
| 80 | **158** | **-57** | **-61** | **-59** |
| 81 | **160** | **-57** | **-59** | **-58** |
| 82 | **162** | **-59** | **-55** | **-57** |
| 83 | **164** | **-59** | **-57** | **-58** |
| 84 | **166** | **-55** | **-56** | **-55.5** |
| 85 | **168** | **-53** | **-59** | **-56** |
| 86 | **170** | **-58** | **-54** | **-56** |
| 87 | **172** | **-57** | **-57** | **-57** |
| 88 | **174** | **-56** | **-58** | **-57** |
| 89 | **176** | **-59** | **-57** | **-58** |
| 90 | **178** | **-56** | **-59** | **-57.5** |
| 91 | **180** | **-59** | **-61** | **-60** |
| 92 | **182** | **-61** | **-61** | **-61** |
| 93 | **184** | **-62** | **-62** | **-62** |

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| 94 | **186** | **-60** | **-60** | **-60** |
| 95 | **188** | **-59** | **-59** | **-59** |
| 96 | **190** | **-61** | **-61** | **-61** |
| 97 | **192** | **-63** | **-63** | **-63** |
| 98 | **194** | **-62** | **-62** | **-62** |
| 99 | **196** | **-59** | **-63** | **-61** |
| 100 | **198** | **-57** | **-61** | **-59** |
| 101 | **200** | **-57** | **-59** | **-58** |
| 102 | **202** | **-59** | **-55** | **-57** |
| 103 | **204** | **-59** | **-57** | **-58** |
| 104 | **206** | **-55** | **-56** | **-55.5** |
| 105 | **208** | **-53** | **-59** | **-56** |
| 106 | **210** | **-58** | **-54** | **-56** |
| 107 | **212** | **-57** | **-57** | **-57** |
| 108 | **214** | **-56** | **-58** | **-57** |
| 109 | **216** | **-59** | **-57** | **-58** |
| 110 | **218** | **-56** | **-59** | **-57.5** |
| 111 | **220** | **-59** | **-61** | **-60** |
| 112 | **222** | **-61** | **-61** | **-61** |
| 113 | **224** | **-62** | **-62** | **-62** |
| 114 | **226** | **-60** | **-60** | **-60** |
| 115 | **228** | **-59** | **-59** | **-59** |
| 116 | **230** | **-61** | **-61** | **-61** |
| 117 | **232** | **-63** | **-63** | **-63** |
| 118 | **234** | **-62** | **-62** | **-62** |
| 119 | **236** | **-59** | **-63** | **-61** |
| 120 | **238** | **-57** | **-61** | **-59** |
| 121 | **240** | **-57** | **-59** | **-58** |
| 122 | **242** | **-59** | **-55** | **-57** |
| 123 | **244** | **-59** | **-57** | **-58** |
| 124 | **246** | **-55** | **-56** | **-55.5** |
| 125 | **248** | **-53** | **-59** | **-56** |
| 126 | **250** | **-58** | **-54** | **-56** |
| 127 | **252** | **-57** | **-57** | **-57** |

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| 128 | **254** | **-56** | **-58** | **-57** |
| 129 | **256** | **-59** | **-57** | **-58** |
| 130 | **258** | **-56** | **-59** | **-57.5** |
| 131 | **260** | **-59** | **-61** | **-60** |
| 132 | **262** | **-61** | **-61** | **-61** |
| 133 | **264** | **-62** | **-62** | **-62** |
| 134 | **266** | **-60** | **-60** | **-60** |
| 135 | **268** | **-59** | **-59** | **-59** |
| 136 | **270** | **-61** | **-61** | **-61** |
| 137 | **272** | **-63** | **-63** | **-63** |
| 138 | **274** | **-62** | **-62** | **-62** |
| 139 | **276** | **-59** | **-63** | **-61** |
| 140 | **278** | **-57** | **-61** | **-59** |
| 141 | **280** | **-57** | **-59** | **-58** |
| 142 | **282** | **-59** | **-55** | **-57** |
| 143 | **284** | **-59** | **-57** | **-58** |
| 144 | **286** | **-55** | **-56** | **-55.5** |
| 145 | **288** | **-53** | **-59** | **-56** |
| 146 | **290** | **-58** | **-54** | **-56** |
| 147 | **292** | **-57** | **-57** | **-57** |
| 148 | **294** | **-56** | **-58** | **-57** |
| 149 | **296** | **-59** | **-57** | **-58** |
| 150 | **298** | **-56** | **-59** | **-57.5** |
| 151 | **300** | **-59** | **-61** | **-60** |
| 152 | **302** | **-61** | **-61** | **-61** |
| 153 | **304** | **-62** | **-62** | **-62** |
| 154 | **306** | **-60** | **-60** | **-60** |
| 155 | **308** | **-59** | **-59** | **-59** |
| 156 | **310** | **-61** | **-61** | **-61** |
| 157 | **312** | **-63** | **-63** | **-63** |
| 158 | **314** | **-62** | **-62** | **-62** |
| 159 | **316** | **-59** | **-63** | **-61** |
| 160 | **318** | **-57** | **-61** | **-59** |
| 161 | **320** | **-57** | **-59** | **-58** |

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| 162 | **322** | **-59** | **-55** | **-57** |
| 163 | **324** | **-59** | **-57** | **-58** |
| 164 | **326** | **-55** | **-56** | **-55.5** |
| 165 | **328** | **-53** | **-59** | **-56** |
| 166 | **330** | **-58** | **-54** | **-56** |
| 167 | **332** | **-57** | **-57** | **-57** |
| 168 | **334** | **-56** | **-58** | **-57** |
| 169 | **336** | **-59** | **-57** | **-58** |
| 170 | **338** | **-56** | **-59** | **-57.5** |
| 171 | **340** | **-59** | **-61** | **-60** |
| 172 | **342** | **-61** | **-61** | **-61** |
| 173 | **344** | **-62** | **-62** | **-62** |
| 174 | **346** | **-60** | **-60** | **-60** |
| 175 | **348** | **-59** | **-59** | **-59** |
| 176 | **350** | **-51** | **-56** | **-53.5** |
| 177 | **352** | **-54** | **-57** | **-55.5** |
| 178 | **354** | **-53** | **-55** | **-54** |
| 179 | **356** | **-59** | **-63** | **-61** |
| 180 | **358** | **-57** | **-61** | **-59** |
| 181 | **360** | **-57** | **-59** | **-58** |
| 182 | **362** | **-59** | **-55** | **-57** |
| 183 | **364** | **-59** | **-57** | **-58** |
| 184 | **366** | **-55** | **-56** | **-55.5** |
| 185 | **368** | **-53** | **-59** | **-56** |
| 186 | **370** | **-58** | **-54** | **-56** |
| 187 | **372** | **-57** | **-57** | **-57** |
| 188 | **374** | **-56** | **-58** | **-57** |
| 189 | **376** | **-59** | **-57** | **-58** |
| 190 | **378** | **-56** | **-59** | **-57.5** |
| 191 | **380** | **-59** | **-61** | **-60** |
| 192 | **382** | **-61** | **-61** | **-61** |
| 193 | **384** | **-62** | **-62** | **-62** |
| 194 | **386** | **-60** | **-60** | **-60** |
| 195 | **388** | **-59** | **-59** | **-59** |

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| 196 | **390** | **-61** | **-61** | **-61** |
| 197 | **392** | **-63** | **-63** | **-63** |
| 198 | **394** | **-62** | **-62** | **-62** |
| 199 | **396** | **-59** | **-63** | **-61** |
| 200 | **398** | **-57** | **-61** | **-59** |
| 201 | **400** | **-57** | **-59** | **-58** |
| 202 | **402** | **-59** | **-55** | **-57** |
| 203 | **404** | **-59** | **-57** | **-58** |
| 204 | **406** | **-55** | **-56** | **-55.5** |
| 205 | **408** | **-53** | **-59** | **-56** |
| 206 | **410** | **-58** | **-54** | **-56** |
| 207 | **412** | **-57** | **-57** | **-57** |
| 208 | **414** | **-56** | **-58** | **-57** |
| 209 | **416** | **-59** | **-57** | **-58** |
| 210 | **418** | **-56** | **-59** | **-57.5** |
| 211 | **420** | **-59** | **-61** | **-60** |
| 212 | **422** | **-61** | **-61** | **-61** |
| 213 | **424** | **-62** | **-62** | **-62** |
| 214 | **426** | **-60** | **-60** | **-60** |
| 215 | **428** | **-59** | **-59** | **-59** |
| 216 | **430** | **-61** | **-61** | **-61** |
| 217 | **432** | **-63** | **-63** | **-63** |
| 218 | **434** | **-62** | **-62** | **-62** |
| 219 | **436** | **-59** | **-63** | **-61** |
| 220 | **438** | **-57** | **-61** | **-59** |
| 221 | **440** | **-60** | **-63** | **-61.5** |
| 222 | **442** | **-56** | **-61** | **-58.5** |
| 223 | **444** | **-61** | **-57** | **-59** |
| 224 | **446** | **-53** | **-60** | **-56.5** |
| 225 | **448** | **-58** | **-61** | **-59.5** |
| 226 | **450** | **-56** | **-57** | **-56.5** |
| 227 | **452** | **-59** | **-59** | **-59** |
| 228 | **454** | **-56** | **-61** | **-58.5** |
| 229 | **456** | **-54** | **-60** | **-57** |

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| 230 | **458** | **-51** | **-56** | **-53.5** |
| 231 | **460** | **-59** | **-61** | **-60** |
| 232 | **462** | **-57** | **-53** | **-55** |
| 233 | **464** | **-63** | **-58** | **-60.5** |
| 234 | **466** | **-61** | **-56** | **-58.5** |
| 235 | **468** | **-57** | **-59** | **-58** |
| 236 | **470** | **-60** | **-56** | **-58** |
| 237 | **472** | **-61** | **-54** | **-57.5** |
| 238 | **474** | **-57** | **-51** | **-54** |
| 239 | **476** | **-59** | **-55** | **-57** |
| 240 | **478** | **-61** | **-57** | **-59** |
| 241 | **480** | **-59** | **-55** | **-57** |
| 242 | **482** | **-59** | **-59** | **-59** |
| 243 | **484** | **-57** | **-57** | **-57** |
| 244 | **486** | **-57** | **-57** | **-57** |
| 245 | **488** | **-56** | **-56** | **-56** |
| 246 | **490** | **-55** | **-55** | **-55** |
| 247 | **492** | **-57** | **-57** | **-57** |
| 248 | **494** | **-56** | **-56** | **-56** |
| 249 | **496** | **-59** | **-55** | **-57** |
| 250 | **498** | **-54** | **-56** | **-55** |
| 251 | **500** | **-57** | **-58** | **-57.5** |
| 252 | **502** | **-55** | **-59** | **-57** |
| 253 | **504** | **-59** | **-57** | **-58** |
| 254 | **506** | **-57** | **-54** | **-55.5** |
| 255 | **508** | **-58** | **-61** | **-59.5** |
| 256 | **510** | **-55** | **-57** | **-56** |
| 257 | **512** | **-57** | **-60** | **-58.5** |
| 258 | **514** | **-56** | **-59** | **-57.5** |
| 259 | **516** | **-59** | **-57** | **-58** |
| 260 | **518** | **-54** | **-56** | **-55** |
| 261 | **520** | **-57** | **-59** | **-58** |
| 262 | **522** | **-59** | **-55** | **-57** |
| 263 | **524** | **-59** | **-57** | **-58** |

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| 264 | **526** | **-55** | **-56** | **-55.5** |
| 265 | **528** | **-53** | **-59** | **-56** |
| 266 | **530** | **-58** | **-54** | **-56** |
| 267 | **532** | **-57** | **-57** | **-57** |
| 268 | **534** | **-56** | **-58** | **-57** |
| 269 | **536** | **-59** | **-57** | **-58** |
| 270 | **538** | **-56** | **-59** | **-57.5** |
| 271 | **540** | **-59** | **-61** | **-60** |
| 272 | **542** | **-61** | **-61** | **-61** |
| 273 | **544** | **-62** | **-62** | **-62** |
| 274 | **546** | **-60** | **-60** | **-60** |
| 275 | **548** | **-59** | **-59** | **-59** |
| 276 | **550** | **-61** | **-61** | **-61** |
| 277 | **552** | **-63** | **-63** | **-63** |
| 278 | **554** | **-62** | **-62** | **-62** |
| 279 | **556** | **-59** | **-63** | **-61** |
| 280 | **558** | **-57** | **-61** | **-59** |
| 281 | **560** | **-60** | **-62** | **-61** |
| 282 | **562** | **-65** | **-60** | **-62.5** |
| 283 | **564** | **-67** | **-59** | **-63** |
| 284 | **566** | **-65** | **-61** | **-63** |
| 285 | **568** | **-63** | **-63** | **-63** |
| 286 | **570** | **-65** | **-62** | **-63.5** |
| 287 | **572** | **-63** | **-63** | **-63** |
| 288 | **574** | **-61** | **-61** | **-61** |
| 289 | **576** | **-62** | **-62** | **-62** |
| 290 | **578** | **-63** | **-60** | **-61.5** |
| 291 | **580** | **-61** | **-59** | **-60** |
| 292 | **582** | **-62** | **-61** | **-61.5** |
| 293 | **584** | **-61** | **-63** | **-62** |
| 294 | **586** | **-65** | **-62** | **-63.5** |
| 295 | **588** | **-64** | **-63** | **-63.5** |
| 296 | **590** | **-61** | **-61** | **-61** |
| 297 | **592** | **-63** | **-62** | **-62.5** |

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| 298 | **594** | **-64** | **-60** | **-62** |
| 299 | **596** | **-63** | **-59** | **-61** |
| 300 | **598** | **-64** | **-61** | **-62.5** |
| 301 | **600** | **-65** | **-63** | **-64** |
| 302 | **602** | **-61** | **-62** | **-61.5** |
| 303 | **604** | **-63** | **-63** | **-63** |
| 304 | **606** | **-65** | **-61** | **-63** |
| 305 | **608** | **-61** | **-62** | **-61.5** |
| 306 | **610** | **-60** | **-60** | **-60** |
| 307 | **612** | **-63** | **-59** | **-61** |
| 308 | **614** | **-61** | **-61** | **-61** |
| 309 | **616** | **-64** | **-63** | **-63.5** |
| 310 | **618** | **-65** | **-62** | **-63.5** |
| 311 | **620** | **-64** | **-63** | **-63.5** |
| 312 | **622** | **-66** | **-61** | **-63.5** |
| 313 | **624** | **-67** | **-62** | **-64.5** |
| 314 | **626** | **-65** | **-60** | **-62.5** |
| 315 | **628** | **-61** | **-59** | **-60** |
| 316 | **630** | **-62** | **-61** | **-61.5** |
| 317 | **632** | **-60** | **-63** | **-61.5** |
| 318 | **634** | **-59** | **-62** | **-60.5** |
| 319 | **636** | **-61** | **-63** | **-62** |
| 320 | **638** | **-63** | **-61** | **-62** |
| 321 | **640** | **-62** | **-62** | **-62** |
| 322 | **642** | **-59** | **-60** | **-59.5** |
| 323 | **644** | **-57** | **-59** | **-58** |
| 324 | **646** | **-60** | **-61** | **-60.5** |
| 325 | **648** | **-65** | **-63** | **-64** |
| 326 | **650** | **-67** | **-62** | **-64.5** |
| 327 | **652** | **-65** | **-63** | **-64** |
| 328 | **654** | **-63** | **-61** | **-62** |
| 329 | **656** | **-65** | **-62** | **-63.5** |
| 330 | **658** | **-63** | **-60** | **-61.5** |
| 331 | **660** | **-61** | **-59** | **-60** |

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| 332 | **662** | **-62** | **-61** | **-61.5** |
| 333 | **664** | **-63** | **-63** | **-63** |
| 334 | **666** | **-61** | **-62** | **-61.5** |
| 335 | **668** | **-62** | **-63** | **-62.5** |
| 336 | **670** | **-61** | **-61** | **-61** |
| 337 | **672** | **-65** | **-62** | **-63.5** |
| 338 | **674** | **-64** | **-60** | **-62** |
| 339 | **676** | **-61** | **-59** | **-60** |
| 340 | **678** | **-63** | **-61** | **-62** |
| 341 | **680** | **-64** | **-63** | **-63.5** |
| 342 | **682** | **-63** | **-62** | **-62.5** |
| 343 | **684** | **-64** | **-63** | **-63.5** |
| 344 | **686** | **-65** | **-61** | **-63** |
| 345 | **688** | **-61** | **-62** | **-61.5** |
| 346 | **690** | **-63** | **-60** | **-61.5** |
| 347 | **692** | **-65** | **-59** | **-62** |
| 348 | **694** | **-61** | **-61** | **-61** |
| 349 | **696** | **-60** | **-63** | **-61.5** |
| 350 | **698** | **-63** | **-62** | **-62.5** |
| 351 | **700** | **-61** | **-63** | **-62** |
| 352 | **702** | **-64** | **-61** | **-62.5** |
| 353 | **704** | **-65** | **-62** | **-63.5** |
| 354 | **706** | **-64** | **-60** | **-62** |
| 355 | **708** | **-66** | **-59** | **-62.5** |
| 356 | **710** | **-67** | **-61** | **-64** |
| 357 | **712** | **-65** | **-63** | **-64** |
| 358 | **714** | **-61** | **-62** | **-61.5** |
| 359 | **716** | **-62** | **-63** | **-62.5** |
| 360 | **718** | **-60** | **-61** | **-60.5** |
| 361 | **720** | **-59** | **-62** | **-60.5** |
| 362 | **722** | **-61** | **-60** | **-60.5** |
| 363 | **724** | **-63** | **-59** | **-61** |
| 364 | **726** | **-62** | **-61** | **-61.5** |
| 365 | **728** | **-59** | **-63** | **-61** |

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| 366 | **730** | **-57** | **-62** | **-59.5** |
| 367 | **732** | **-60** | **-63** | **-61.5** |
| 368 | **734** | **-65** | **-61** | **-63** |
| 369 | **736** | **-67** | **-62** | **-64.5** |
| 370 | **738** | **-65** | **-60** | **-62.5** |
| 371 | **740** | **-63** | **-59** | **-61** |
| 372 | **742** | **-65** | **-61** | **-63** |
| 373 | **744** | **-63** | **-63** | **-63** |
| 374 | **746** | **-61** | **-62** | **-61.5** |
| 375 | **748** | **-62** | **-63** | **-62.5** |
| 376 | **750** | **-63** | **-61** | **-62** |
| 377 | **752** | **-61** | **-62** | **-61.5** |
| 378 | **754** | **-62** | **-60** | **-61** |
| 379 | **756** | **-61** | **-59** | **-60** |
| 380 | **758** | **-65** | **-61** | **-63** |
| 381 | **760** | **-64** | **-63** | **-63.5** |
| 382 | **762** | **-61** | **-62** | **-61.5** |
| 383 | **764** | **-63** | **-63** | **-63** |
| 384 | **766** | **-64** | **-61** | **-62.5** |
| 385 | **768** | **-63** | **-62** | **-62.5** |
| 386 | **770** | **-64** | **-60** | **-62** |
| 387 | **772** | **-65** | **-59** | **-62** |
| 388 | **774** | **-61** | **-61** | **-61** |
| 389 | **776** | **-63** | **-63** | **-63** |
| 390 | **778** | **-65** | **-62** | **-63.5** |
| 391 | **780** | **-61** | **-63** | **-62** |
| 392 | **782** | **-60** | **-61** | **-60.5** |
| 393 | **784** | **-63** | **-62** | **-62.5** |
| 394 | **786** | **-61** | **-60** | **-60.5** |
| 395 | **788** | **-64** | **-59** | **-61.5** |
| 396 | **790** | **-65** | **-61** | **-63** |
| 397 | **792** | **-64** | **-63** | **-63.5** |
| 398 | **794** | **-66** | **-62** | **-64** |
| 399 | **796** | **-67** | **-63** | **-65** |

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| 400 | **798** | **-65** | **-61** | **-63** |
| 401 | **800** | **-61** | **-62** | **-61.5** |
| 402 | **802** | **-62** | **-60** | **-61** |
| 403 | **804** | **-60** | **-59** | **-59.5** |
| 404 | **806** | **-59** | **-61** | **-60** |
| 405 | **808** | **-61** | **-63** | **-62** |
| 406 | **810** | **-63** | **-62** | **-62.5** |
| 407 | **812** | **-62** | **-63** | **-62.5** |
| 408 | **814** | **-59** | **-61** | **-60** |
| 409 | **816** | **-57** | **-62** | **-59.5** |
| 410 | **818** | **-60** | **-60** | **-60** |
| 411 | **820** | **-65** | **-59** | **-62** |
| 412 | **822** | **-67** | **-61** | **-64** |
| 413 | **824** | **-65** | **-63** | **-64** |
| 414 | **826** | **-63** | **-62** | **-62.5** |
| 415 | **828** | **-65** | **-63** | **-64** |
| 416 | **830** | **-63** | **-61** | **-62** |
| 417 | **832** | **-61** | **-62** | **-61.5** |
| 418 | **834** | **-62** | **-60** | **-61** |
| 419 | **836** | **-63** | **-59** | **-61** |
| 420 | **838** | **-61** | **-61** | **-61** |
| 421 | **840** | **-62** | **-63** | **-62.5** |
| 422 | **842** | **-61** | **-62** | **-61.5** |
| 423 | **844** | **-65** | **-63** | **-64** |
| 424 | **846** | **-64** | **-61** | **-62.5** |
| 425 | **848** | **-61** | **-62** | **-61.5** |
| 426 | **850** | **-63** | **-60** | **-61.5** |
| 427 | **852** | **-64** | **-59** | **-61.5** |
| 428 | **854** | **-63** | **-61** | **-62** |
| 429 | **856** | **-64** | **-63** | **-63.5** |
| 430 | **858** | **-65** | **-62** | **-63.5** |
| 431 | **860** | **-61** | **-63** | **-62** |
| 432 | **862** | **-63** | **-61** | **-62** |
| 433 | **864** | **-65** | **-62** | **-63.5** |

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| 434 | **866** | **-61** | **-60** | **-60.5** |
| 435 | **868** | **-60** | **-59** | **-59.5** |
| 436 | **870** | **-67** | **-61** | **-64** |
| 437 | **872** | **-61** | **-63** | **-62** |
| 438 | **874** | **-64** | **-62** | **-63** |
| 439 | **876** | **-65** | **-63** | **-64** |
| 440 | **878** | **-64** | **-61** | **-62.5** |
| 441 | **880** | **-66** | **-62** | **-64** |
| 442 | **882** | **-67** | **-60** | **-63.5** |
| 443 | **884** | **-65** | **-59** | **-62** |
| 444 | **886** | **-61** | **-61** | **-61** |
| 445 | **888** | **-62** | **-63** | **-62.5** |
| 446 | **890** | **-60** | **-62** | **-61** |
| 447 | **892** | **-59** | **-63** | **-61** |
| 448 | **894** | **-61** | **-61** | **-61** |
| 449 | **896** | **-63** | **-62** | **-62.5** |
| 450 | **898** | **-62** | **-60** | **-61** |
| 451 | **900** | **-65** | **-65** | **-65** |
| 452 | **902** | **-71** | **-69** | **-70** |
| 453 | **904** | **-73** | **-70** | **-71.5** |
| 454 | **906** | **-72** | **-69** | **-70.5** |
| 455 | **908** | **-67** | **-70** | **-68.5** |
| 456 | **910** | **-68** | **-72** | **-70** |
| 457 | **912** | **-65** | **-67** | **-66** |
| 458 | **914** | **-66** | **-69** | **-67.5** |
| 459 | **916** | **-65** | **-71** | **-68** |
| 460 | **918** | **-64** | **-70** | **-67** |
| 461 | **920** | **-66** | **-69** | **-67.5** |
| 462 | **922** | **-68** | **-73** | **-70.5** |
| 463 | **924** | **-69** | **-71** | **-70** |
| 464 | **926** | **-73** | **-72** | **-72.5** |
| 465 | **928** | **-76** | **-67** | **-71.5** |
| 466 | **930** | **-71** | **-71** | **-71** |
| 467 | **932** | **-73** | **-67** | **-70** |

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| 468 | **934** | **-74** | **-66** | **-70** |
| 469 | **936** | **-67** | **-68** | **-67.5** |
| 470 | **938** | **-66** | **-67** | **-66.5** |
| 471 | **940** | **-61** | **-65** | **-63** |
| 472 | **942** | **-66** | **-64** | **-65** |
| 473 | **944** | **-65** | **-66** | **-65.5** |
| 474 | **946** | **-62** | **-68** | **-65** |
| 475 | **948** | **-66** | **-69** | **-67.5** |
| 476 | **950** | **-68** | **-73** | **-70.5** |
| 477 | **952** | **-69** | **-76** | **-72.5** |
| 478 | **954** | **-73** | **-75** | **-74** |
| 479 | **956** | **-76** | **-73** | **-74.5** |
| 480 | **958** | **-71** | **-75** | **-73** |
| 481 | **960** | **-73** | **-71** | **-72** |
| 482 | **962** | **-74** | **-73** | **-73.5** |
| 483 | **964** | **-67** | **-71** | **-69** |
| 484 | **966** | **-66** | **-70** | **-68** |
| 485 | **968** | **-61** | **-74** | **-67.5** |
| 486 | **970** | **-66** | **-70** | **-68** |
| 487 | **972** | **-65** | **-76** | **-70.5** |
| 488 | **974** | **-62** | **-71** | **-66.5** |
| 489 | **976** | **-66** | **-73** | **-69.5** |
| 490 | **978** | **-68** | **-74** | **-71** |
| 491 | **980** | **-69** | **-67** | **-68** |
| 492 | **982** | **-73** | **-66** | **-69.5** |
| 493 | **984** | **-76** | **-61** | **-68.5** |
| 494 | **986** | **-71** | **-66** | **-68.5** |
| 495 | **988** | **-73** | **-65** | **-69** |
| 496 | **990** | **-74** | **-62** | **-68** |
| 497 | **992** | **-67** | **-66** | **-66.5** |
| 498 | **994** | **-66** | **-68** | **-67** |
| 499 | **996** | **-61** | **-69** | **-65** |
| 500 | **998** | **-66** | **-73** | **-69.5** |
| 501 | **1000** | **-65** | **-76** | **-70.5** |

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| 502 | **1002** | **-72** | **-75** | **-73.5** |
| 503 | **1004** | **-69** | **-73** | **-71** |
| 504 | **1006** | **-68** | **-75** | **-71.5** |
| 505 | **1008** | **-69** | **-71** | **-70** |
| 506 | **1010** | **-73** | **-73** | **-73** |
| 507 | **1012** | **-76** | **-71** | **-73.5** |
| 508 | **1014** | **-71** | **-70** | **-70.5** |
| 509 | **1016** | **-73** | **-74** | **-73.5** |
| 510 | **1018** | **-74** | **-70** | **-72** |
| 511 | **1020** | **-67** | **-76** | **-71.5** |
| 512 | **1022** | **-66** | **-71** | **-68.5** |
| 513 | **1024** | **-67** | **-73** | **-70** |
| 514 | **1026** | **-69** | **-74** | **-71.5** |
| 515 | **1028** | **-65** | **-70** | **-67.5** |
| 516 | **1030** | **-71** | **-68** | **-69.5** |
| 517 | **1032** | **-66** | **-65** | **-65.5** |
| 518 | **1034** | **-68** | **-67** | **-67.5** |
| 519 | **1036** | **-69** | **-65** | **-67** |
| 520 | **1038** | **-73** | **-68** | **-70.5** |
| 521 | **1040** | **-70** | **-66** | **-68** |
| 522 | **1042** | **-71** | **-68** | **-69.5** |
| 523 | **1044** | **-73** | **-69** | **-71** |
| 524 | **1046** | **-70** | **-73** | **-71.5** |
| 525 | **1048** | **-67** | **-72** | **-69.5** |
| 526 | **1050** | **-70** | **-71** | **-70.5** |
| 527 | **1052** | **-69** | **-73** | **-71** |
| 528 | **1054** | **-67** | **-72** | **-69.5** |
| 529 | **1056** | **-65** | **-71** | **-68** |
| 530 | **1058** | **-69** | **-73** | **-71** |
| 531 | **1060** | **-72** | **-71** | **-71.5** |
| 532 | **1062** | **-71** | **-71** | **-71** |
| 533 | **1064** | **-75** | **-76** | **-75.5** |
| 534 | **1066** | **-74** | **-74** | **-74** |
| 535 | **1068** | **-75** | **-73** | **-74** |

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| 536 | **1070** | **-77** | **-72** | **-74.5** |
| 537 | **1072** | **-73** | **-70** | **-71.5** |
| 538 | **1074** | **-71** | **-75** | **-73** |
| 539 | **1076** | **-72** | **-74** | **-73** |
| 540 | **1078** | **-68** | **-78** | **-73** |
| 541 | **1080** | **-69** | **-71** | **-70** |
| 542 | **1082** | **-70** | **-72** | **-71** |
| 543 | **1084** | **-71** | **-74** | **-72.5** |
| 544 | **1086** | **-73** | **-75** | **-74** |
| 545 | **1088** | **-71** | **-77** | **-74** |
| 546 | **1090** | **-70** | **-74** | **-72** |
| 547 | **1092** | **-75** | **-71** | **-73** |
| 548 | **1094** | **-76** | **-72** | **-74** |
| 549 | **1096** | **-76** | **-68** | **-72** |
| 550 | **1098** | **-78** | **-69** | **-73.5** |
| 551 | **1100** | **-77** | **-70** | **-73.5** |
| 552 | **1102** | **-75** | **-76** | **-75.5** |
| 553 | **1104** | **-76** | **-74** | **-75** |
| 554 | **1106** | **-76** | **-71** | **-73.5** |
| 555 | **1108** | **-75** | **-70** | **-72.5** |
| 556 | **1110** | **-72** | **-75** | **-73.5** |
| 557 | **1112** | **-75** | **-76** | **-75.5** |
| 558 | **1114** | **-77** | **-75** | **-76** |
| 559 | **1116** | **-76** | **-78** | **-77** |
| 560 | **1118** | **-78** | **-77** | **-77.5** |
| 561 | **1120** | **-79** | **-74** | **-76.5** |
| 562 | **1122** | **-75** | **-76** | **-75.5** |
| 563 | **1124** | **-76** | **-71** | **-73.5** |
| 564 | **1126** | **-77** | **-76** | **-76.5** |
| 565 | **1128** | **-75** | **-74** | **-74.5** |
| 566 | **1130** | **-78** | **-73** | **-75.5** |
| 567 | **1132** | **-75** | **-72** | **-73.5** |
| 568 | **1134** | **-76** | **-70** | **-73** |
| 569 | **1136** | **-75** | **-75** | **-75** |

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| 570 | **1138** | **-79** | **-74** | **-76.5** |
| 571 | **1140** | **-79** | **-78** | **-78.5** |
| 572 | **1142** | **-78** | **-71** | **-74.5** |
| 573 | **1144** | **-78** | **-72** | **-75** |
| 574 | **1146** | **-78** | **-74** | **-76** |
| 575 | **1148** | **-75** | **-75** | **-75** |
| 576 | **1150** | **-74** | **-77** | **-75.5** |
| 577 | **1152** | **-79** | **-74** | **-76.5** |
| 578 | **1154** | **-79** | **-71** | **-75** |
| 579 | **1156** | **-74** | **-72** | **-73** |
| 580 | **1158** | **-72** | **-68** | **-70** |
| 581 | **1160** | **-70** | **-69** | **-69.5** |
| 582 | **1162** | **-72** | **-70** | **-71** |
| 583 | **1164** | **-75** | **-76** | **-75.5** |
| 584 | **1166** | **-74** | **-74** | **-74** |
| 585 | **1168** | **-72** | **-71** | **-71.5** |
| 586 | **1170** | **-73** | **-70** | **-71.5** |
| 587 | **1172** | **-77** | **-75** | **-76** |
| 588 | **1174** | **-72** | **-76** | **-74** |
| 589 | **1176** | **-72** | **-75** | **-73.5** |
| 590 | **1178** | **-71** | **-78** | **-74.5** |
| 591 | **1180** | **-76** | **-77** | **-76.5** |
| 592 | **1182** | **-74** | **-74** | **-74** |
| 593 | **1184** | **-73** | **-76** | **-74.5** |
| 594 | **1186** | **-72** | **-71** | **-71.5** |
| 595 | **1188** | **-70** | **-76** | **-73** |
| 596 | **1190** | **-75** | **-74** | **-74.5** |
| 597 | **1192** | **-74** | **-73** | **-73.5** |
| 598 | **1194** | **-78** | **-72** | **-75** |
| 599 | **1196** | **-71** | **-70** | **-70.5** |
| 600 | **1198** | **-72** | **-75** | **-73.5** |
| 601 | **1200** | **-74** | **-74** | **-74** |
| 602 | **1202** | **-75** | **-78** | **-76.5** |
| 603 | **1204** | **-77** | **-71** | **-74** |

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| 604 | **1206** | **-74** | **-72** | **-73** |
| 605 | **1208** | **-71** | **-74** | **-72.5** |
| 606 | **1210** | **-72** | **-75** | **-73.5** |
| 607 | **1212** | **-68** | **-77** | **-72.5** |
| 608 | **1214** | **-69** | **-74** | **-71.5** |
| 609 | **1216** | **-70** | **-71** | **-70.5** |
| 610 | **1218** | **-76** | **-72** | **-74** |
| 611 | **1220** | **-74** | **-68** | **-71** |
| 612 | **1222** | **-71** | **-69** | **-70** |
| 613 | **1224** | **-70** | **-70** | **-70** |
| 614 | **1226** | **-75** | **-76** | **-75.5** |
| 615 | **1228** | **-76** | **-74** | **-75** |
| 616 | **1230** | **-75** | **-71** | **-73** |
| 617 | **1232** | **-78** | **-70** | **-74** |
| 618 | **1234** | **-77** | **-75** | **-76** |
| 619 | **1236** | **-74** | **-76** | **-75** |
| 620 | **1238** | **-76** | **-75** | **-75.5** |
| 621 | **1240** | **-81** | **-78** | **-79.5** |
| 622 | **1242** | **-75** | **-77** | **-76** |
| 623 | **1244** | **-73** | **-74** | **-73.5** |
| 624 | **1246** | **-78** | **-76** | **-77** |
| 625 | **1248** | **-75** | **-71** | **-73** |
| 626 | **1250** | **-76** | **-76** | **-76** |
| 627 | **1252** | **-78** | **-74** | **-76** |
| 628 | **1254** | **-77** | **-73** | **-75** |
| 629 | **1256** | **-75** | **-72** | **-73.5** |
| 630 | **1258** | **-79** | **-70** | **-74.5** |
| 631 | **1260** | **-77** | **-75** | **-76** |
| 632 | **1262** | **-75** | **-74** | **-74.5** |
| 633 | **1264** | **-78** | **-78** | **-78** |
| 634 | **1266** | **-73** | **-71** | **-72** |
| 635 | **1268** | **-76** | **-72** | **-74** |
| 636 | **1270** | **-75** | **-74** | **-74.5** |
| 637 | **1272** | **-79** | **-75** | **-77** |

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| 638 | **1274** | **-75** | **-77** | **-76** |
| 639 | **1276** | **-78** | **-74** | **-76** |
| 640 | **1278** | **-81** | **-71** | **-76** |
| 641 | **1280** | **-78** | **-72** | **-75** |
| 642 | **1282** | **-75** | **-68** | **-71.5** |
| 643 | **1284** | **-74** | **-69** | **-71.5** |
| 644 | **1286** | **-79** | **-70** | **-74.5** |
| 645 | **1288** | **-75** | **-76** | **-75.5** |
| 646 | **1290** | **-74** | **-74** | **-74** |
| 647 | **1292** | **-72** | **-71** | **-71.5** |
| 648 | **1294** | **-70** | **-70** | **-70** |
| 649 | **1296** | **-72** | **-75** | **-73.5** |
| 650 | **1298** | **-75** | **-76** | **-75.5** |
| 651 | **1300** | **-74** | **-75** | **-74.5** |
| 652 | **1302** | **-72** | **-78** | **-75** |
| 653 | **1304** | **-73** | **-77** | **-75** |
| 654 | **1306** | **-77** | **-74** | **-75.5** |
| 655 | **1308** | **-72** | **-76** | **-74** |
| 656 | **1310** | **-72** | **-71** | **-71.5** |
| 657 | **1312** | **-74** | **-76** | **-75** |
| 658 | **1314** | **-81** | **-74** | **-77.5** |
| 659 | **1316** | **-74** | **-73** | **-73.5** |
| 660 | **1318** | **-73** | **-72** | **-72.5** |
| 661 | **1320** | **-72** | **-70** | **-71** |
| 662 | **1322** | **-77** | **-75** | **-76** |
| 663 | **1324** | **-75** | **-74** | **-74.5** |
| 664 | **1326** | **-74** | **-78** | **-76** |
| 665 | **1328** | **-76** | **-71** | **-73.5** |
| 666 | **1330** | **-72** | **-72** | **-72** |
| 667 | **1332** | **-71** | **-74** | **-72.5** |
| 668 | **1334** | **-75** | **-75** | **-75** |
| 669 | **1336** | **-74** | **-77** | **-75.5** |
| 670 | **1338** | **-75** | **-74** | **-74.5** |
| 671 | **1340** | **-77** | **-71** | **-74** |

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| 672 | **1342** | **-73** | **-72** | **-72.5** |
| 673 | **1344** | **-76** | **-68** | **-72** |
| 674 | **1346** | **-75** | **-69** | **-72** |
| 675 | **1348** | **-68** | **-70** | **-69** |
| 676 | **1350** | **-69** | **-76** | **-72.5** |
| 677 | **1352** | **-70** | **-74** | **-72** |
| 678 | **1354** | **-71** | **-71** | **-71** |
| 679 | **1356** | **-73** | **-70** | **-71.5** |
| 680 | **1358** | **-71** | **-75** | **-73** |
| 681 | **1360** | **-70** | **-76** | **-73** |
| 682 | **1362** | **-73** | **-75** | **-74** |
| 683 | **1364** | **-78** | **-74** | **-76** |
| 684 | **1366** | **-75** | **-76** | **-75.5** |
| 685 | **1368** | **-76** | **-72** | **-74** |
| 686 | **1370** | **-78** | **-75** | **-76.5** |
| 687 | **1372** | **-77** | **-74** | **-75.5** |
| 688 | **1374** | **-75** | **-78** | **-76.5** |
| 689 | **1376** | **-79** | **-77** | **-78** |
| 690 | **1378** | **-77** | **-73** | **-75** |
| 691 | **1380** | **-75** | **-73** | **-74** |
| 692 | **1382** | **-78** | **-78** | **-78** |
| 693 | **1384** | **-73** | **-75** | **-74** |
| 694 | **1386** | **-76** | **-76** | **-76** |
| 695 | **1388** | **-75** | **-78** | **-76.5** |
| 696 | **1390** | **-79** | **-77** | **-78** |
| 697 | **1392** | **-75** | **-75** | **-75** |
| 698 | **1394** | **-78** | **-79** | **-78.5** |
| 699 | **1396** | **-81** | **-77** | **-79** |
| 700 | **1398** | **-78** | **-75** | **-76.5** |
| 701 | **1400** | **-75** | **-78** | **-76.5** |
| 702 | **1402** | **-74** | **-75** | **-74.5** |
| 703 | **1404** | **-79** | **-74** | **-76.5** |
| 704 | **1406** | **-75** | **-76** | **-75.5** |
| 705 | **1408** | **-74** | **-72** | **-73** |

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| 706 | **1410** | **-72** | **-75** | **-73.5** |
| 707 | **1412** | **-70** | **-74** | **-72** |
| 708 | **1414** | **-72** | **-78** | **-75** |
| 709 | **1416** | **-75** | **-77** | **-76** |
| 710 | **1418** | **-74** | **-73** | **-73.5** |
| 711 | **1420** | **-72** | **-73** | **-72.5** |
| 712 | **1422** | **-73** | **-78** | **-75.5** |
| 713 | **1424** | **-77** | **-75** | **-76** |
| 714 | **1426** | **-72** | **-76** | **-74** |
| 715 | **1428** | **-72** | **-78** | **-75** |
| 716 | **1430** | **-74** | **-77** | **-75.5** |
| 717 | **1432** | **-81** | **-75** | **-78** |
| 718 | **1434** | **-74** | **-79** | **-76.5** |
| 719 | **1436** | **-73** | **-77** | **-75** |
| 720 | **1438** | **-72** | **-75** | **-73.5** |
| 721 | **1440** | **-71** | **-78** | **-74.5** |
| 722 | **1442** | **-75** | **-75** | **-75** |
| 723 | **1444** | **-74** | **-74** | **-74** |
| 724 | **1446** | **-76** | **-76** | **-76** |
| 725 | **1448** | **-72** | **-72** | **-72** |
| 726 | **1450** | **-75** | **-75** | **-75** |
| 727 | **1452** | **-74** | **-74** | **-74** |
| 728 | **1454** | **-78** | **-78** | **-78** |
| 729 | **1456** | **-77** | **-77** | **-77** |
| 730 | **1458** | **-73** | **-73** | **-73** |
| 731 | **1460** | **-73** | **-73** | **-73** |
| 732 | **1462** | **-78** | **-78** | **-78** |
| 733 | **1464** | **-75** | **-75** | **-75** |
| 734 | **1466** | **-76** | **-76** | **-76** |
| 735 | **1468** | **-78** | **-78** | **-78** |
| 736 | **1470** | **-77** | **-77** | **-77** |
| 737 | **1472** | **-75** | **-75** | **-75** |
| 738 | **1474** | **-79** | **-79** | **-79** |
| 739 | **1476** | **-77** | **-77** | **-77** |

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| 740 | **1478** | **-75** | **-75** | **-75** |
| 741 | **1480** | **-78** | **-78** | **-78** |
| 742 | **1482** | **-73** | **-75** | **-74** |
| 743 | **1484** | **-76** | **-74** | **-75** |
| 744 | **1486** | **-75** | **-76** | **-75.5** |
| 745 | **1488** | **-79** | **-72** | **-75.5** |
| 746 | **1490** | **-75** | **-75** | **-75** |
| 747 | **1492** | **-78** | **-74** | **-76** |
| 748 | **1494** | **-81** | **-78** | **-79.5** |
| 749 | **1496** | **-78** | **-77** | **-77.5** |
| 750 | **1498** | **-75** | **-73** | **-74** |
| 751 | **1500** | **-74** | **-73** | **-73.5** |
| 752 | **1502** | **-79** | **-78** | **-78.5** |
| 753 | **1504** | **-75** | **-75** | **-75** |
| 754 | **1506** | **-74** | **-76** | **-75** |
| 755 | **1508** | **-72** | **-78** | **-75** |
| 756 | **1510** | **-70** | **-77** | **-73.5** |
| 757 | **1512** | **-72** | **-75** | **-73.5** |
| 758 | **1514** | **-75** | **-79** | **-77** |
| 759 | **1516** | **-74** | **-77** | **-75.5** |
| 760 | **1518** | **-72** | **-75** | **-73.5** |
| 761 | **1520** | **-73** | **-78** | **-75.5** |
| 762 | **1522** | **-77** | **-75** | **-76** |
| 763 | **1524** | **-73** | **-74** | **-73.5** |
| 764 | **1526** | **-72** | **-76** | **-74** |
| 765 | **1528** | **-74** | **-72** | **-73** |
| 766 | **1530** | **-81** | **-75** | **-78** |
| 767 | **1532** | **-74** | **-74** | **-74** |
| 768 | **1534** | **-73** | **-78** | **-75.5** |
| 769 | **1536** | **-72** | **-77** | **-74.5** |
| 770 | **1538** | **-71** | **-73** | **-72** |
| 771 | **1540** | **-75** | **-73** | **-74** |
| 772 | **1542** | **-74** | **-78** | **-76** |
| 773 | **1544** | **-76** | **-75** | **-75.5** |

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| 774 | **1546** | **-72** | **-76** | **-74** |
| 775 | **1548** | **-75** | **-78** | **-76.5** |
| 776 | **1550** | **-74** | **-77** | **-75.5** |
| 777 | **1552** | **-78** | **-75** | **-76.5** |
| 778 | **1554** | **-77** | **-79** | **-78** |
| 779 | **1556** | **-73** | **-77** | **-75** |
| 780 | **1558** | **-73** | **-75** | **-74** |
| 781 | **1560** | **-78** | **-78** | **-78** |
| 782 | **1562** | **-75** | **-75** | **-75** |
| 783 | **1564** | **-76** | **-74** | **-75** |
| 784 | **1566** | **-78** | **-76** | **-77** |
| 785 | **1568** | **-77** | **-72** | **-74.5** |
| 786 | **1570** | **-75** | **-75** | **-75** |
| 787 | **1572** | **-79** | **-74** | **-76.5** |
| 788 | **1574** | **-77** | **-78** | **-77.5** |
| 789 | **1576** | **-75** | **-77** | **-76** |
| 790 | **1578** | **-78** | **-73** | **-75.5** |
| 791 | **1580** | **-73** | **-73** | **-73** |
| 792 | **1582** | **-75** | **-76** | **-75.5** |
| 793 | **1584** | **-76** | **-74** | **-75** |
| 794 | **1586** | **-79** | **-73** | **-76** |
| 795 | **1588** | **-80** | **-72** | **-76** |
| 796 | **1590** | **-79** | **-70** | **-74.5** |
| 797 | **1592** | **-80** | **-75** | **-77.5** |
| 798 | **1594** | **-79** | **-74** | **-76.5** |
| 799 | **1596** | **-80** | **-76** | **-78** |
| 800 | **1598** | **-79** | **-71** | **-75** |
| 801 | **1600** | **-80** | **-75** | **-77.5** |
| 802 | **1602** | **-82** | **-74** | **-78** |
| 803 | **1604** | **-81** | **-78** | **-79.5** |
| 804 | **1606** | **-81** | **-83** | **-82** |
| 805 | **1608** | **-85** | **-84** | **-84.5** |
| 806 | **1610** | **-87** | **-82** | **-84.5** |
| 807 | **1612** | **-82** | **-84** | **-83** |

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| 808 | **1614** | **-83** | **-82** | **-82.5** |
| 809 | **1616** | **-84** | **-83** | **-83.5** |
| 810 | **1618** | **-82** | **-84** | **-83** |
| 811 | **1620** | **-84** | **-81** | **-82.5** |
| 812 | **1622** | **-82** | **-85** | **-83.5** |
| 813 | **1624** | **-83** | **-86** | **-84.5** |
| 814 | **1626** | **-84** | **-87** | **-85.5** |
| 815 | **1628** | **-81** | **-85** | **-83** |
| 816 | **1630** | **-85** | **-85** | **-85** |
| 817 | **1632** | **-86** | **-88** | **-87** |
| 818 | **1634** | **-87** | **-85** | **-86** |
| 819 | **1636** | **-85** | **-89** | **-87** |
| 820 | **1638** | **-85** | **-86** | **-85.5** |
| 821 | **1640** | **-88** | **-86** | **-87** |
| 822 | **1642** | **-85** | **-87** | **-86** |
| 823 | **1644** | **-89** | **-79** | **-84** |
| 824 | **1646** | **-86** | **-87** | **-86.5** |
| 825 | **1648** | **-86** | **-90** | **-88** |
| 826 | **1650** | **-87** | **-84** | **-85.5** |
| 827 | **1652** | **-79** | **-88** | **-83.5** |
| 828 | **1654** | **-87** | **-89** | **-88** |
| 829 | **1656** | **-90** | **-81** | **-85.5** |
| 830 | **1658** | **-84** | **-82** | **-83** |
| 831 | **1660** | **-88** | **-84** | **-86** |
| 832 | **1662** | **-89** | **-85** | **-87** |
| 833 | **1664** | **-81** | **-86** | **-83.5** |
| 834 | **1666** | **-82** | **-85** | **-83.5** |
| 835 | **1668** | **-84** | **-84** | **-84** |
| 836 | **1670** | **-85** | **-84** | **-84.5** |
| 837 | **1672** | **-86** | **-84** | **-85** |
| 838 | **1674** | **-85** | **-81** | **-83** |
| 839 | **1676** | **-84** | **-82** | **-83** |
| 840 | **1678** | **-84** | **-86** | **-85** |
| 841 | **1680** | **-84** | **-83** | **-83.5** |

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| 842 | **1682** | **-81** | **-82** | **-81.5** |
| 843 | **1684** | **-82** | **-81** | **-81.5** |
| 844 | **1686** | **-86** | **-89** | **-87.5** |
| 845 | **1688** | **-83** | **-83** | **-83** |
| 846 | **1690** | **-82** | **-82** | **-82** |
| 847 | **1692** | **-81** | **-87** | **-84** |
| 848 | **1694** | **-89** | **-83** | **-86** |
| 849 | **1696** | **-83** | **-82** | **-82.5** |
| 850 | **1698** | **-82** | **-83** | **-82.5** |
| 851 | **1700** | **-87** | **-84** | **-85.5** |
| 852 | **1702** | **-83** | **-85** | **-84** |
| 853 | **1704** | **-82** | **-82** | **-82** |
| 854 | **1706** | **-83** | **-84** | **-83.5** |
| 855 | **1708** | **-84** | **-85** | **-84.5** |
| 856 | **1710** | **-85** | **-79** | **-82** |
| 857 | **1712** | **-82** | **-78** | **-80** |
| 858 | **1714** | **-84** | **-80** | **-82** |
| 859 | **1716** | **-85** | **-83** | **-84** |
| 860 | **1718** | **-79** | **-83** | **-81** |
| 861 | **1720** | **-78** | **-85** | **-81.5** |
| 862 | **1722** | **-80** | **-87** | **-83.5** |
| 863 | **1724** | **-83** | **-84** | **-83.5** |
| 864 | **1726** | **-83** | **-84** | **-83.5** |
| 865 | **1728** | **-85** | **-85** | **-85** |
| 866 | **1730** | **-87** | **-85** | **-86** |
| 867 | **1732** | **-84** | **-89** | **-86.5** |
| 868 | **1734** | **-84** | **-83** | **-83.5** |
| 869 | **1736** | **-85** | **-86** | **-85.5** |
| 870 | **1738** | **-85** | **-85** | **-85** |
| 871 | **1740** | **-89** | **-84** | **-86.5** |
| 872 | **1742** | **-83** | **-82** | **-82.5** |
| 873 | **1744** | **-86** | **-83** | **-84.5** |
| 874 | **1746** | **-85** | **-85** | **-85** |
| 875 | **1748** | **-84** | **-84** | **-84** |

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| 876 | **1750** | **-82** | **-85** | **-83.5** |
| 877 | **1752** | **-83** | **-86** | **-84.5** |
| 878 | **1754** | **-85** | **-83** | **-84** |
| 879 | **1756** | **-84** | **-84** | **-84** |
| 880 | **1758** | **-85** | **-81** | **-83** |
| 881 | **1760** | **-86** | **-83** | **-84.5** |
| 882 | **1762** | **-83** | **-82** | **-82.5** |
| 883 | **1764** | **-84** | **-83** | **-83.5** |
| 884 | **1766** | **-81** | **-84** | **-82.5** |
| 885 | **1768** | **-83** | **-82** | **-82.5** |
| 886 | **1770** | **-82** | **-84** | **-83** |
| 887 | **1772** | **-83** | **-82** | **-82.5** |
| 888 | **1774** | **-85** | **-83** | **-84** |
| 889 | **1776** | **-83** | **-84** | **-83.5** |
| 890 | **1778** | **-85** | **-81** | **-83** |
| 891 | **1780** | **-83** | **-85** | **-84** |
| 892 | **1782** | **-82** | **-86** | **-84** |
| 893 | **1784** | **-87** | **-87** | **-87** |
| 894 | **1786** | **-89** | **-85** | **-87** |
| 895 | **1788** | **-86** | **-85** | **-85.5** |
| 896 | **1790** | **-85** | **-88** | **-86.5** |
| 897 | **1792** | **-84** | **-76** | **-80** |
| 898 | **1794** | **-85** | **-74** | **-79.5** |
| 899 | **1796** | **-86** | **-73** | **-79.5** |
| 900 | **1798** | **-75** | **-72** | **-73.5** |
| 901 | **1800** | **-81** | **-83** | **-82** |
| 902 | **1802** | **-85** | **-84** | **-84.5** |
| 903 | **1804** | **-87** | **-82** | **-84.5** |
| 904 | **1806** | **-82** | **-84** | **-83** |
| 905 | **1808** | **-83** | **-82** | **-82.5** |
| 906 | **1810** | **-84** | **-83** | **-83.5** |
| 907 | **1812** | **-82** | **-84** | **-83** |
| 908 | **1814** | **-84** | **-81** | **-82.5** |
| 909 | **1816** | **-82** | **-85** | **-83.5** |

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| 910 | **1818** | **-83** | **-86** | **-84.5** |
| 911 | **1820** | **-84** | **-87** | **-85.5** |
| 912 | **1822** | **-81** | **-85** | **-83** |
| 913 | **1824** | **-85** | **-85** | **-85** |
| 914 | **1826** | **-86** | **-88** | **-87** |
| 915 | **1828** | **-87** | **-85** | **-86** |
| 916 | **1830** | **-85** | **-89** | **-87** |
| 917 | **1832** | **-85** | **-86** | **-85.5** |
| 918 | **1834** | **-88** | **-86** | **-87** |
| 919 | **1836** | **-85** | **-87** | **-86** |
| 920 | **1838** | **-89** | **-79** | **-84** |
| 921 | **1840** | **-86** | **-87** | **-86.5** |
| 922 | **1842** | **-81** | **-83** | **-82** |
| 923 | **1844** | **-85** | **-84** | **-84.5** |
| 924 | **1846** | **-87** | **-82** | **-84.5** |
| 925 | **1848** | **-82** | **-84** | **-83** |
| 926 | **1850** | **-83** | **-82** | **-82.5** |
| 927 | **1852** | **-84** | **-83** | **-83.5** |
| 928 | **1854** | **-82** | **-84** | **-83** |
| 929 | **1856** | **-84** | **-81** | **-82.5** |
| 930 | **1858** | **-82** | **-85** | **-83.5** |
| 931 | **1860** | **-83** | **-86** | **-84.5** |
| 932 | **1862** | **-84** | **-87** | **-85.5** |
| 933 | **1864** | **-81** | **-85** | **-83** |
| 934 | **1866** | **-85** | **-85** | **-85** |
| 935 | **1868** | **-86** | **-88** | **-87** |
| 936 | **1870** | **-87** | **-85** | **-86** |
| 937 | **1872** | **-85** | **-89** | **-87** |
| 938 | **1874** | **-85** | **-86** | **-85.5** |
| 939 | **1876** | **-88** | **-86** | **-87** |
| 940 | **1878** | **-85** | **-87** | **-86** |
| 941 | **1880** | **-89** | **-79** | **-84** |
| 942 | **1882** | **-86** | **-87** | **-86.5** |
| 943 | **1884** | **-81** | **-83** | **-82** |

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| 944 | **1886** | **-85** | **-84** | **-84.5** |
| 945 | **1888** | **-87** | **-82** | **-84.5** |
| 946 | **1890** | **-82** | **-84** | **-83** |
| 947 | **1892** | **-83** | **-82** | **-82.5** |
| 948 | **1894** | **-84** | **-83** | **-83.5** |
| 949 | **1896** | **-82** | **-84** | **-83** |
| 950 | **1898** | **-84** | **-81** | **-82.5** |
| 951 | **1900** | **-82** | **-85** | **-83.5** |
| 952 | **1902** | **-83** | **-86** | **-84.5** |
| 953 | **1904** | **-84** | **-87** | **-85.5** |
| 954 | **1906** | **-81** | **-85** | **-83** |
| 955 | **1908** | **-85** | **-85** | **-85** |
| 956 | **1910** | **-86** | **-88** | **-87** |
| 957 | **1912** | **-87** | **-85** | **-86** |
| 958 | **1914** | **-85** | **-89** | **-87** |
| 959 | **1916** | **-85** | **-86** | **-85.5** |
| 960 | **1918** | **-88** | **-86** | **-87** |
| 961 | **1920** | **-85** | **-87** | **-86** |
| 962 | **1922** | **-89** | **-79** | **-84** |
| 963 | **1924** | **-86** | **-87** | **-86.5** |
| 964 | **1926** | **-81** | **-83** | **-82** |
| 965 | **1928** | **-85** | **-84** | **-84.5** |
| 966 | **1930** | **-87** | **-82** | **-84.5** |
| 967 | **1932** | **-82** | **-84** | **-83** |
| 968 | **1934** | **-83** | **-82** | **-82.5** |
| 969 | **1936** | **-84** | **-83** | **-83.5** |
| 970 | **1938** | **-82** | **-84** | **-83** |
| 971 | **1940** | **-84** | **-81** | **-82.5** |
| 972 | **1942** | **-82** | **-85** | **-83.5** |
| 973 | **1944** | **-83** | **-86** | **-84.5** |
| 974 | **1946** | **-84** | **-87** | **-85.5** |
| 975 | **1948** | **-81** | **-85** | **-83** |
| 976 | **1950** | **-85** | **-85** | **-85** |
| 977 | **1952** | **-86** | **-88** | **-87** |

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| 978 | **1954** | **-87** | **-85** | **-86** |
| 979 | **1956** | **-85** | **-89** | **-87** |
| 980 | **1958** | **-85** | **-86** | **-85.5** |
| 981 | **1960** | **-88** | **-86** | **-87** |
| 982 | **1962** | **-85** | **-87** | **-86** |
| 983 | **1964** | **-89** | **-79** | **-84** |
| 984 | **1966** | **-86** | **-87** | **-86.5** |
| 985 | **1968** | **-81** | **-83** | **-82** |
| 986 | **1970** | **-85** | **-84** | **-84.5** |
| 987 | **1972** | **-87** | **-82** | **-84.5** |
| 988 | **1974** | **-82** | **-84** | **-83** |
| 989 | **1976** | **-83** | **-82** | **-82.5** |
| 990 | **1978** | **-84** | **-83** | **-83.5** |
| 991 | **1980** | **-82** | **-84** | **-83** |
| 992 | **1982** | **-84** | **-81** | **-82.5** |
| 993 | **1984** | **-82** | **-85** | **-83.5** |
| 994 | **1986** | **-83** | **-86** | **-84.5** |
| 995 | **1988** | **-84** | **-87** | **-85.5** |
| 996 | **1990** | **-81** | **-85** | **-83** |
| 997 | **1992** | **-85** | **-85** | **-85** |
| 998 | **1994** | **-86** | **-88** | **-87** |
| 999 | **1996** | **-87** | **-85** | **-86** |
| 1000 | **1998** | **-85** | **-89** | **-87** |
| 1001 | **2000** | **-85** | **-86** | **-85.5** |

## 1.3 RSSI FOR AIRTEL 3G

| S/N | DISTANCE (m) | RSSI 3G (DbM) signal strength | RSSI 3G (DbM) net monitor | MEAN(dbm) |
|---|---|---|---|---|
| 1 | **0** | **-59** | **-53** | **-56** |
| 2 | **2** | **-55** | **-51** | **-53** |
| 3 | **4** | **-52** | **-54** | **-53** |
| 4 | **6** | **-58** | **-53** | **-55.5** |
| 5 | **8** | **-57** | **-55** | **-56** |
| 6 | **10** | **-59** | **-57** | **-58** |
| 7 | **12** | **-55** | **-51** | **-53** |
| 8 | **14** | **-57** | **-55** | **-56** |
| 9 | **16** | **-53** | **-56** | **-54.5** |
| 10 | **18** | **-56** | **-57** | **-56.5** |
| 11 | **20** | **-57** | **-61** | **-59** |
| 12 | **22** | **-54** | **-53** | **-53.5** |
| 13 | **24** | **-55** | **-58** | **-56.5** |
| 14 | **26** | **-57** | **-56** | **-56.5** |
| 15 | **28** | **-57** | **-59** | **-58** |
| 16 | **30** | **-57** | **-56** | **-56.5** |
| 17 | **32** | **-53** | **-54** | **-53.5** |
| 18 | **34** | **-55** | **-51** | **-53** |
| 19 | **36** | **-54** | **-59** | **-56.5** |
| 20 | **38** | **-57** | **-57** | **-57** |
| 21 | **40** | **-59** | **-57** | **-58** |
| 22 | **42** | **-54** | **-56** | **-55** |
| 23 | **44** | **-61** | **-57** | **-59** |

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| 24 | **46** | **-53** | **-60** | **-56.5** |
| 25 | **48** | **-58** | **-55** | **-56.5** |
| 26 | **50** | **-56** | **-57** | **-56.5** |
| 27 | **52** | **-59** | **-59** | **-59** |
| 28 | **54** | **-56** | **-61** | **-58.5** |
| 29 | **56** | **-54** | **-60** | **-57** |
| 30 | **58** | **-58** | **-56** | **-57** |
| 31 | **60** | **-59** | **-61** | **-60** |
| 32 | **62** | **-57** | **-53** | **-55** |
| 33 | **64** | **-55** | **-58** | **-56.5** |
| 34 | **66** | **-61** | **-56** | **-58.5** |
| 35 | **68** | **-57** | **-59** | **-58** |
| 36 | **70** | **-53** | **-56** | **-54.5** |
| 37 | **72** | **-56** | **-54** | **-55** |
| 38 | **74** | **-57** | **-51** | **-54** |
| 39 | **76** | **-59** | **-61** | **-60** |
| 40 | **78** | **-61** | **-57** | **-59** |
| 41 | **80** | **-62** | **-60** | **-61** |
| 42 | **82** | **-56** | **-61** | **-58.5** |
| 43 | **84** | **-61** | **-57** | **-59** |
| 44 | **86** | **-53** | **-60** | **-56.5** |
| 45 | **88** | **-58** | **-61** | **-59.5** |
| 46 | **90** | **-56** | **-57** | **-56.5** |
| 47 | **92** | **-59** | **-59** | **-59** |
| 48 | **94** | **-56** | **-61** | **-58.5** |
| 49 | **96** | **-54** | **-60** | **-57** |
| 50 | **98** | **-51** | **-56** | **-53.5** |
| 51 | **100** | **-59** | **-61** | **-60** |
| 52 | **102** | **-57** | **-53** | **-55** |
| 53 | **104** | **-63** | **-58** | **-60.5** |
| 54 | **106** | **-61** | **-56** | **-58.5** |
| 55 | **108** | **-57** | **-59** | **-58** |
| 56 | **110** | **-60** | **-56** | **-58** |
| 57 | **112** | **-61** | **-54** | **-57.5** |

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| 58 | **114** | **-57** | **-51** | **-54** |
| 59 | **116** | **-59** | **-55** | **-57** |
| 60 | **118** | **-61** | **-57** | **-59** |
| 61 | **120** | **-59** | **-55** | **-57** |
| 62 | **122** | **-59** | **-59** | **-59** |
| 63 | **124** | **-57** | **-57** | **-57** |
| 64 | **126** | **-57** | **-57** | **-57** |
| 65 | **128** | **-56** | **-56** | **-56** |
| 66 | **130** | **-55** | **-55** | **-55** |
| 67 | **132** | **-57** | **-57** | **-57** |
| 68 | **134** | **-56** | **-56** | **-56** |
| 69 | **136** | **-59** | **-55** | **-57** |
| 70 | **138** | **-54** | **-56** | **-55** |
| 71 | **140** | **-57** | **-58** | **-57.5** |
| 72 | **142** | **-55** | **-59** | **-57** |
| 73 | **144** | **-59** | **-57** | **-58** |
| 74 | **146** | **-57** | **-54** | **-55.5** |
| 75 | **148** | **-58** | **-61** | **-59.5** |
| 76 | **150** | **-55** | **-57** | **-56** |
| 77 | **152** | **-57** | **-60** | **-58.5** |
| 78 | **154** | **-56** | **-59** | **-57.5** |
| 79 | **156** | **-59** | **-57** | **-58** |
| 80 | **158** | **-54** | **-56** | **-55** |
| 81 | **160** | **-57** | **-59** | **-58** |
| 82 | **162** | **-59** | **-55** | **-57** |
| 83 | **164** | **-59** | **-57** | **-58** |
| 84 | **166** | **-55** | **-56** | **-55.5** |
| 85 | **168** | **-53** | **-59** | **-56** |
| 86 | **170** | **-58** | **-54** | **-56** |
| 87 | **172** | **-57** | **-57** | **-57** |
| 88 | **174** | **-56** | **-58** | **-57** |
| 89 | **176** | **-59** | **-57** | **-58** |
| 90 | **178** | **-56** | **-59** | **-57.5** |
| 91 | **180** | **-59** | **-61** | **-60** |

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| 92 | **182** | **-61** | **-61** | **-61** |
| 93 | **184** | **-62** | **-62** | **-62** |
| 94 | **186** | **-60** | **-60** | **-60** |
| 95 | **188** | **-59** | **-59** | **-59** |
| 96 | **190** | **-61** | **-61** | **-61** |
| 97 | **192** | **-63** | **-63** | **-63** |
| 98 | **194** | **-62** | **-62** | **-62** |
| 99 | **196** | **-59** | **-63** | **-61** |
| 100 | **198** | **-57** | **-61** | **-59** |
| 101 | **200** | **-60** | **-62** | **-61** |
| 102 | **202** | **-65** | **-60** | **-62.5** |
| 103 | **204** | **-67** | **-59** | **-63** |
| 104 | **206** | **-65** | **-61** | **-63** |
| 105 | **208** | **-63** | **-63** | **-63** |
| 106 | **210** | **-65** | **-62** | **-63.5** |
| 107 | **212** | **-63** | **-63** | **-63** |
| 108 | **214** | **-61** | **-61** | **-61** |
| 109 | **216** | **-62** | **-62** | **-62** |
| 110 | **218** | **-63** | **-60** | **-61.5** |
| 111 | **220** | **-61** | **-59** | **-60** |
| 112 | **222** | **-62** | **-61** | **-61.5** |
| 113 | **224** | **-61** | **-63** | **-62** |
| 114 | **226** | **-65** | **-62** | **-63.5** |
| 115 | **228** | **-64** | **-63** | **-63.5** |
| 116 | **230** | **-61** | **-61** | **-61** |
| 117 | **232** | **-63** | **-62** | **-62.5** |
| 118 | **234** | **-64** | **-60** | **-62** |
| 119 | **236** | **-63** | **-59** | **-61** |
| 120 | **238** | **-64** | **-61** | **-62.5** |
| 121 | **240** | **-65** | **-63** | **-64** |
| 122 | **242** | **-61** | **-62** | **-61.5** |
| 123 | **244** | **-63** | **-63** | **-63** |
| 124 | **246** | **-65** | **-61** | **-63** |
| 125 | **248** | **-61** | **-62** | **-61.5** |

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| 126 | **250** | **-60** | **-60** | **-60** |
| 127 | **252** | **-63** | **-59** | **-61** |
| 128 | **254** | **-61** | **-61** | **-61** |
| 129 | **256** | **-64** | **-63** | **-63.5** |
| 130 | **258** | **-65** | **-62** | **-63.5** |
| 131 | **260** | **-64** | **-63** | **-63.5** |
| 132 | **262** | **-66** | **-61** | **-63.5** |
| 133 | **264** | **-67** | **-62** | **-64.5** |
| 134 | **266** | **-65** | **-60** | **-62.5** |
| 135 | **268** | **-61** | **-59** | **-60** |
| 136 | **270** | **-62** | **-61** | **-61.5** |
| 137 | **272** | **-60** | **-63** | **-61.5** |
| 138 | **274** | **-59** | **-62** | **-60.5** |
| 139 | **276** | **-61** | **-63** | **-62** |
| 140 | **278** | **-63** | **-61** | **-62** |
| 141 | **280** | **-62** | **-62** | **-62** |
| 142 | **282** | **-59** | **-60** | **-59.5** |
| 143 | **284** | **-57** | **-59** | **-58** |
| 144 | **286** | **-60** | **-61** | **-60.5** |
| 145 | **288** | **-65** | **-63** | **-64** |
| 146 | **290** | **-67** | **-62** | **-64.5** |
| 147 | **292** | **-65** | **-63** | **-64** |
| 148 | **294** | **-63** | **-61** | **-62** |
| 149 | **296** | **-65** | **-62** | **-63.5** |
| 150 | **298** | **-63** | **-60** | **-61.5** |
| 151 | **300** | **-61** | **-59** | **-60** |
| 152 | **302** | **-62** | **-61** | **-61.5** |
| 153 | **304** | **-63** | **-63** | **-63** |
| 154 | **306** | **-61** | **-62** | **-61.5** |
| 155 | **308** | **-62** | **-63** | **-62.5** |
| 156 | **310** | **-61** | **-61** | **-61** |
| 157 | **312** | **-65** | **-62** | **-63.5** |
| 158 | **314** | **-64** | **-60** | **-62** |
| 159 | **316** | **-61** | **-59** | **-60** |

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| 160 | **318** | **-63** | **-61** | **-62** |
| 161 | **320** | **-64** | **-63** | **-63.5** |
| 162 | **322** | **-63** | **-62** | **-62.5** |
| 163 | **324** | **-64** | **-63** | **-63.5** |
| 164 | **326** | **-65** | **-61** | **-63** |
| 165 | **328** | **-61** | **-62** | **-61.5** |
| 166 | **330** | **-63** | **-60** | **-61.5** |
| 167 | **332** | **-65** | **-59** | **-62** |
| 168 | **334** | **-61** | **-61** | **-61** |
| 169 | **336** | **-60** | **-63** | **-61.5** |
| 170 | **338** | **-63** | **-62** | **-62.5** |
| 171 | **340** | **-61** | **-63** | **-62** |
| 172 | **342** | **-64** | **-61** | **-62.5** |
| 173 | **344** | **-65** | **-62** | **-63.5** |
| 174 | **346** | **-64** | **-60** | **-62** |
| 175 | **348** | **-62** | **-59** | **-60.5** |
| 176 | **350** | **-67** | **-61** | **-64** |
| 177 | **352** | **-65** | **-63** | **-64** |
| 178 | **354** | **-61** | **-62** | **-61.5** |
| 179 | **356** | **-62** | **-63** | **-62.5** |
| 180 | **358** | **-60** | **-61** | **-60.5** |
| 181 | **360** | **-59** | **-62** | **-60.5** |
| 182 | **362** | **-61** | **-60** | **-60.5** |
| 183 | **364** | **-63** | **-59** | **-61** |
| 184 | **366** | **-62** | **-61** | **-61.5** |
| 185 | **368** | **-59** | **-63** | **-61** |
| 186 | **370** | **-57** | **-62** | **-59.5** |
| 187 | **372** | **-60** | **-63** | **-61.5** |
| 188 | **374** | **-65** | **-61** | **-63** |
| 189 | **376** | **-67** | **-62** | **-64.5** |
| 190 | **378** | **-65** | **-60** | **-62.5** |
| 191 | **380** | **-63** | **-59** | **-61** |
| 192 | **382** | **-65** | **-61** | **-63** |
| 193 | **384** | **-63** | **-63** | **-63** |

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| 194 | **386** | **-61** | **-62** | **-61.5** |
| 195 | **388** | **-62** | **-63** | **-62.5** |
| 196 | **390** | **-63** | **-61** | **-62** |
| 197 | **392** | **-61** | **-62** | **-61.5** |
| 198 | **394** | **-62** | **-60** | **-61** |
| 199 | **396** | **-61** | **-59** | **-60** |
| 200 | **398** | **-65** | **-61** | **-63** |
| 201 | **400** | **-64** | **-63** | **-63.5** |
| 202 | **402** | **-61** | **-62** | **-61.5** |
| 203 | **404** | **-63** | **-63** | **-63** |
| 204 | **406** | **-64** | **-61** | **-62.5** |
| 205 | **408** | **-63** | **-62** | **-62.5** |
| 206 | **410** | **-64** | **-60** | **-62** |
| 207 | **412** | **-65** | **-59** | **-62** |
| 208 | **414** | **-61** | **-61** | **-61** |
| 209 | **416** | **-63** | **-63** | **-63** |
| 210 | **418** | **-65** | **-62** | **-63.5** |
| 211 | **420** | **-61** | **-63** | **-62** |
| 212 | **422** | **-60** | **-61** | **-60.5** |
| 213 | **424** | **-63** | **-62** | **-62.5** |
| 214 | **426** | **-61** | **-60** | **-60.5** |
| 215 | **428** | **-64** | **-59** | **-61.5** |
| 216 | **430** | **-65** | **-61** | **-63** |
| 217 | **432** | **-64** | **-63** | **-63.5** |
| 218 | **434** | **-66** | **-62** | **-64** |
| 219 | **436** | **-67** | **-63** | **-65** |
| 220 | **438** | **-65** | **-61** | **-63** |
| 221 | **440** | **-61** | **-62** | **-61.5** |
| 222 | **442** | **-62** | **-60** | **-61** |
| 223 | **444** | **-60** | **-59** | **-59.5** |
| 224 | **446** | **-59** | **-61** | **-60** |
| 225 | **448** | **-61** | **-63** | **-62** |
| 226 | **450** | **-63** | **-62** | **-62.5** |
| 227 | **452** | **-62** | **-63** | **-62.5** |

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| 228 | **454** | **-59** | **-61** | **-60** |
| 229 | **456** | **-57** | **-62** | **-59.5** |
| 230 | **458** | **-60** | **-60** | **-60** |
| 231 | **460** | **-65** | **-59** | **-62** |
| 232 | **462** | **-67** | **-61** | **-64** |
| 233 | **464** | **-65** | **-63** | **-64** |
| 234 | **466** | **-63** | **-62** | **-62.5** |
| 235 | **468** | **-65** | **-63** | **-64** |
| 236 | **470** | **-63** | **-61** | **-62** |
| 237 | **472** | **-61** | **-62** | **-61.5** |
| 238 | **474** | **-62** | **-60** | **-61** |
| 239 | **476** | **-63** | **-59** | **-61** |
| 240 | **478** | **-61** | **-61** | **-61** |
| 241 | **480** | **-62** | **-63** | **-62.5** |
| 242 | **482** | **-61** | **-62** | **-61.5** |
| 243 | **484** | **-65** | **-63** | **-64** |
| 244 | **486** | **-64** | **-61** | **-62.5** |
| 245 | **488** | **-61** | **-62** | **-61.5** |
| 246 | **490** | **-63** | **-60** | **-61.5** |
| 247 | **492** | **-64** | **-59** | **-61.5** |
| 248 | **494** | **-63** | **-61** | **-62** |
| 249 | **496** | **-64** | **-63** | **-63.5** |
| 250 | **498** | **-65** | **-62** | **-63.5** |
| 251 | **500** | **-61** | **-63** | **-62** |
| 252 | **502** | **-63** | **-61** | **-62** |
| 253 | **504** | **-65** | **-62** | **-63.5** |
| 254 | **506** | **-61** | **-60** | **-60.5** |
| 255 | **508** | **-60** | **-59** | **-59.5** |
| 256 | **510** | **-67** | **-61** | **-64** |
| 257 | **512** | **-61** | **-63** | **-62** |
| 258 | **514** | **-64** | **-62** | **-63** |
| 259 | **516** | **-65** | **-63** | **-64** |
| 260 | **518** | **-64** | **-61** | **-62.5** |
| 261 | **520** | **-66** | **-62** | **-64** |

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| 262 | **522** | **-67** | **-60** | **-63.5** |
| 263 | **524** | **-65** | **-59** | **-62** |
| 264 | **526** | **-61** | **-61** | **-61** |
| 265 | **528** | **-62** | **-63** | **-62.5** |
| 266 | **530** | **-60** | **-62** | **-61** |
| 267 | **532** | **-59** | **-63** | **-61** |
| 268 | **534** | **-61** | **-61** | **-61** |
| 269 | **536** | **-63** | **-62** | **-62.5** |
| 270 | **538** | **-62** | **-60** | **-61** |
| 271 | **540** | **-65** | **-65** | **-65** |
| 272 | **542** | **-65** | **-68** | **-66.5** |
| 273 | **544** | **-63** | **-66** | **-64.5** |
| 274 | **546** | **-64** | **-69** | **-66.5** |
| 275 | **548** | **-66** | **-67** | **-66.5** |
| 276 | **550** | **-65** | **-63** | **-64** |
| 277 | **552** | **-61** | **-64** | **-62.5** |
| 278 | **554** | **-67** | **-65** | **-66** |
| 279 | **556** | **-69** | **-65** | **-67** |
| 280 | **558** | **-66** | **-63** | **-64.5** |
| 281 | **560** | **-62** | **-64** | **-63** |
| 282 | **562** | **-63** | **-66** | **-64.5** |
| 283 | **564** | **-67** | **-65** | **-66** |
| 284 | **566** | **-65** | **-61** | **-63** |
| 285 | **568** | **-67** | **-67** | **-67** |
| 286 | **570** | **-65** | **-69** | **-67** |
| 287 | **572** | **-66** | **-66** | **-66** |
| 288 | **574** | **-67** | **-62** | **-64.5** |
| 289 | **576** | **-65** | **-63** | **-64** |
| 290 | **578** | **-65** | **-68** | **-66.5** |
| 291 | **580** | **-63** | **-66** | **-64.5** |
| 292 | **582** | **-64** | **-69** | **-66.5** |
| 293 | **584** | **-66** | **-67** | **-66.5** |
| 294 | **586** | **-65** | **-63** | **-64** |
| 295 | **588** | **-66** | **-69** | **-67.5** |

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| 296 | **590** | **-68** | **-73** | **-70.5** |
| 297 | **592** | **-69** | **-76** | **-72.5** |
| 298 | **594** | **-73** | **-75** | **-74** |
| 299 | **596** | **-65** | **-68** | **-66.5** |
| 300 | **598** | **-63** | **-66** | **-64.5** |
| 301 | **600** | **-64** | **-69** | **-66.5** |
| 302 | **602** | **-66** | **-67** | **-66.5** |
| 303 | **604** | **-65** | **-63** | **-64** |
| 304 | **606** | **-61** | **-64** | **-62.5** |
| 305 | **608** | **-61** | **-74** | **-67.5** |
| 306 | **610** | **-66** | **-70** | **-68** |
| 307 | **612** | **-65** | **-76** | **-70.5** |
| 308 | **614** | **-62** | **-71** | **-66.5** |
| 309 | **616** | **-66** | **-73** | **-69.5** |
| 310 | **618** | **-68** | **-74** | **-71** |
| 311 | **620** | **-69** | **-67** | **-68** |
| 312 | **622** | **-73** | **-66** | **-69.5** |
| 313 | **624** | **-76** | **-61** | **-68.5** |
| 314 | **626** | **-71** | **-66** | **-68.5** |
| 315 | **628** | **-73** | **-65** | **-69** |
| 316 | **630** | **-74** | **-62** | **-68** |
| 317 | **632** | **-67** | **-66** | **-66.5** |
| 318 | **634** | **-66** | **-68** | **-67** |
| 319 | **636** | **-61** | **-69** | **-65** |
| 320 | **638** | **-66** | **-73** | **-69.5** |
| 321 | **640** | **-65** | **-76** | **-70.5** |
| 322 | **642** | **-72** | **-75** | **-73.5** |
| 323 | **644** | **-69** | **-73** | **-71** |
| 324 | **646** | **-68** | **-75** | **-71.5** |
| 325 | **648** | **-69** | **-71** | **-70** |
| 326 | **650** | **-73** | **-73** | **-73** |
| 327 | **652** | **-76** | **-71** | **-73.5** |
| 328 | **654** | **-71** | **-70** | **-70.5** |
| 329 | **656** | **-73** | **-74** | **-73.5** |

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| 330 | **658** | **-74** | **-70** | **-72** |
| 331 | **660** | **-67** | **-76** | **-71.5** |
| 332 | **662** | **-66** | **-71** | **-68.5** |
| 333 | **664** | **-67** | **-73** | **-70** |
| 334 | **666** | **-69** | **-74** | **-71.5** |
| 335 | **668** | **-65** | **-70** | **-67.5** |
| 336 | **670** | **-71** | **-68** | **-69.5** |
| 337 | **672** | **-66** | **-65** | **-65.5** |
| 338 | **674** | **-68** | **-67** | **-67.5** |
| 339 | **676** | **-69** | **-65** | **-67** |
| 340 | **678** | **-73** | **-68** | **-70.5** |
| 341 | **680** | **-70** | **-66** | **-68** |
| 342 | **682** | **-71** | **-68** | **-69.5** |
| 343 | **684** | **-73** | **-69** | **-71** |
| 344 | **686** | **-70** | **-73** | **-71.5** |
| 345 | **688** | **-67** | **-72** | **-69.5** |
| 346 | **690** | **-70** | **-71** | **-70.5** |
| 347 | **692** | **-69** | **-73** | **-71** |
| 348 | **694** | **-67** | **-72** | **-69.5** |
| 349 | **696** | **-65** | **-71** | **-68** |
| 350 | **698** | **-69** | **-73** | **-71** |
| 351 | **700** | **-72** | **-71** | **-71.5** |
| 352 | **702** | **-71** | **-71** | **-71** |
| 353 | **704** | **-75** | **-76** | **-75.5** |
| 354 | **706** | **-74** | **-74** | **-74** |
| 355 | **708** | **-75** | **-73** | **-74** |
| 356 | **710** | **-77** | **-72** | **-74.5** |
| 357 | **712** | **-73** | **-70** | **-71.5** |
| 358 | **714** | **-71** | **-75** | **-73** |
| 359 | **716** | **-72** | **-74** | **-73** |
| 360 | **718** | **-68** | **-78** | **-73** |
| 361 | **720** | **-69** | **-71** | **-70** |
| 362 | **722** | **-70** | **-72** | **-71** |
| 363 | **724** | **-71** | **-74** | **-72.5** |

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| 364 | **726** | **-73** | **-75** | **-74** |
| 365 | **728** | **-71** | **-77** | **-74** |
| 366 | **730** | **-70** | **-74** | **-72** |
| 367 | **732** | **-75** | **-71** | **-73** |
| 368 | **734** | **-76** | **-72** | **-74** |
| 369 | **736** | **-76** | **-68** | **-72** |
| 370 | **738** | **-78** | **-69** | **-73.5** |
| 371 | **740** | **-77** | **-70** | **-73.5** |
| 372 | **742** | **-75** | **-76** | **-75.5** |
| 373 | **744** | **-76** | **-74** | **-75** |
| 374 | **746** | **-76** | **-71** | **-73.5** |
| 375 | **748** | **-75** | **-70** | **-72.5** |
| 376 | **750** | **-72** | **-75** | **-73.5** |
| 377 | **752** | **-75** | **-76** | **-75.5** |
| 378 | **754** | **-77** | **-75** | **-76** |
| 379 | **756** | **-76** | **-78** | **-77** |
| 380 | **758** | **-78** | **-77** | **-77.5** |
| 381 | **760** | **-79** | **-74** | **-76.5** |
| 382 | **762** | **-75** | **-76** | **-75.5** |
| 383 | **764** | **-76** | **-71** | **-73.5** |
| 384 | **766** | **-77** | **-76** | **-76.5** |
| 385 | **768** | **-75** | **-74** | **-74.5** |
| 386 | **770** | **-78** | **-73** | **-75.5** |
| 387 | **772** | **-75** | **-72** | **-73.5** |
| 388 | **774** | **-76** | **-70** | **-73** |
| 389 | **776** | **-75** | **-75** | **-75** |
| 390 | **778** | **-79** | **-74** | **-76.5** |
| 391 | **780** | **-79** | **-78** | **-78.5** |
| 392 | **782** | **-78** | **-71** | **-74.5** |
| 393 | **784** | **-78** | **-72** | **-75** |
| 394 | **786** | **-78** | **-74** | **-76** |
| 395 | **788** | **-75** | **-75** | **-75** |
| 396 | **790** | **-74** | **-77** | **-75.5** |
| 397 | **792** | **-79** | **-74** | **-76.5** |

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| 398 | **794** | **-79** | **-71** | **-75** |
| 399 | **796** | **-74** | **-72** | **-73** |
| 400 | **798** | **-72** | **-68** | **-70** |
| 401 | **800** | **-70** | **-69** | **-69.5** |
| 402 | **802** | **-72** | **-70** | **-71** |
| 403 | **804** | **-75** | **-76** | **-75.5** |
| 404 | **806** | **-74** | **-74** | **-74** |
| 405 | **808** | **-72** | **-71** | **-71.5** |
| 406 | **810** | **-73** | **-70** | **-71.5** |
| 407 | **812** | **-77** | **-75** | **-76** |
| 408 | **814** | **-72** | **-76** | **-74** |
| 409 | **816** | **-72** | **-75** | **-73.5** |
| 410 | **818** | **-71** | **-78** | **-74.5** |
| 411 | **820** | **-76** | **-77** | **-76.5** |
| 412 | **822** | **-74** | **-74** | **-74** |
| 413 | **824** | **-73** | **-76** | **-74.5** |
| 414 | **826** | **-72** | **-71** | **-71.5** |
| 415 | **828** | **-70** | **-76** | **-73** |
| 416 | **830** | **-75** | **-74** | **-74.5** |
| 417 | **832** | **-74** | **-73** | **-73.5** |
| 418 | **834** | **-78** | **-72** | **-75** |
| 419 | **836** | **-71** | **-70** | **-70.5** |
| 420 | **838** | **-72** | **-75** | **-73.5** |
| 421 | **840** | **-74** | **-74** | **-74** |
| 422 | **842** | **-75** | **-78** | **-76.5** |
| 423 | **844** | **-77** | **-71** | **-74** |
| 424 | **846** | **-74** | **-72** | **-73** |
| 425 | **848** | **-71** | **-74** | **-72.5** |
| 426 | **850** | **-72** | **-75** | **-73.5** |
| 427 | **852** | **-68** | **-77** | **-72.5** |
| 428 | **854** | **-69** | **-74** | **-71.5** |
| 429 | **856** | **-70** | **-71** | **-70.5** |
| 430 | **858** | **-76** | **-72** | **-74** |
| 431 | **860** | **-74** | **-68** | **-71** |

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| 432 | **862** | **-71** | **-69** | **-70** |
| 433 | **864** | **-70** | **-70** | **-70** |
| 434 | **866** | **-75** | **-76** | **-75.5** |
| 435 | **868** | **-76** | **-74** | **-75** |
| 436 | **870** | **-75** | **-71** | **-73** |
| 437 | **872** | **-78** | **-70** | **-74** |
| 438 | **874** | **-77** | **-75** | **-76** |
| 439 | **876** | **-74** | **-76** | **-75** |
| 440 | **878** | **-76** | **-75** | **-75.5** |
| 441 | **880** | **-81** | **-78** | **-79.5** |
| 442 | **882** | **-75** | **-77** | **-76** |
| 443 | **884** | **-73** | **-74** | **-73.5** |
| 444 | **886** | **-78** | **-76** | **-77** |
| 445 | **888** | **-75** | **-71** | **-73** |
| 446 | **890** | **-76** | **-76** | **-76** |
| 447 | **892** | **-78** | **-74** | **-76** |
| 448 | **894** | **-77** | **-73** | **-75** |
| 449 | **896** | **-75** | **-72** | **-73.5** |
| 450 | **898** | **-79** | **-70** | **-74.5** |
| 451 | **900** | **-77** | **-75** | **-76** |
| 452 | **902** | **-75** | **-74** | **-74.5** |
| 453 | **904** | **-78** | **-78** | **-78** |
| 454 | **906** | **-73** | **-71** | **-72** |
| 455 | **908** | **-76** | **-72** | **-74** |
| 456 | **910** | **-75** | **-74** | **-74.5** |
| 457 | **912** | **-79** | **-75** | **-77** |
| 458 | **914** | **-75** | **-77** | **-76** |
| 459 | **916** | **-78** | **-74** | **-76** |
| 460 | **918** | **-81** | **-71** | **-76** |
| 461 | **920** | **-78** | **-72** | **-75** |
| 462 | **922** | **-75** | **-68** | **-71.5** |
| 463 | **924** | **-74** | **-69** | **-71.5** |
| 464 | **926** | **-79** | **-70** | **-74.5** |
| 465 | **928** | **-75** | **-76** | **-75.5** |

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| 466 | **930** | **-74** | **-74** | **-74** |
| 467 | **932** | **-72** | **-71** | **-71.5** |
| 468 | **934** | **-70** | **-70** | **-70** |
| 469 | **936** | **-72** | **-75** | **-73.5** |
| 470 | **938** | **-75** | **-76** | **-75.5** |
| 471 | **940** | **-74** | **-75** | **-74.5** |
| 472 | **942** | **-72** | **-78** | **-75** |
| 473 | **944** | **-73** | **-77** | **-75** |
| 474 | **946** | **-77** | **-74** | **-75.5** |
| 475 | **948** | **-72** | **-76** | **-74** |
| 476 | **950** | **-72** | **-71** | **-71.5** |
| 477 | **952** | **-74** | **-76** | **-75** |
| 478 | **954** | **-81** | **-74** | **-77.5** |
| 479 | **956** | **-74** | **-73** | **-73.5** |
| 480 | **958** | **-73** | **-72** | **-72.5** |
| 481 | **960** | **-72** | **-70** | **-71** |
| 482 | **962** | **-77** | **-75** | **-76** |
| 483 | **964** | **-75** | **-74** | **-74.5** |
| 484 | **966** | **-74** | **-78** | **-76** |
| 485 | **968** | **-76** | **-71** | **-73.5** |
| 486 | **970** | **-72** | **-72** | **-72** |
| 487 | **972** | **-71** | **-74** | **-72.5** |
| 488 | **974** | **-75** | **-75** | **-75** |
| 489 | **976** | **-74** | **-77** | **-75.5** |
| 490 | **978** | **-75** | **-74** | **-74.5** |
| 491 | **980** | **-77** | **-71** | **-74** |
| 492 | **982** | **-73** | **-72** | **-72.5** |
| 493 | **984** | **-76** | **-68** | **-72** |
| 494 | **986** | **-75** | **-69** | **-72** |
| 495 | **988** | **-68** | **-70** | **-69** |
| 496 | **990** | **-69** | **-76** | **-72.5** |
| 497 | **992** | **-70** | **-74** | **-72** |
| 498 | **994** | **-71** | **-71** | **-71** |
| 499 | **996** | **-73** | **-70** | **-71.5** |

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| 500 | **998** | **-71** | **-75** | **-73** |
| 501 | **1000** | **-70** | **-76** | **-73** |
| 502 | **1002** | **-73** | **-75** | **-74** |
| 503 | **1004** | **-78** | **-74** | **-76** |
| 504 | **1006** | **-75** | **-76** | **-75.5** |
| 505 | **1008** | **-76** | **-72** | **-74** |
| 506 | **1010** | **-78** | **-75** | **-76.5** |
| 507 | **1012** | **-77** | **-74** | **-75.5** |
| 508 | **1014** | **-75** | **-78** | **-76.5** |
| 509 | **1016** | **-79** | **-77** | **-78** |
| 510 | **1018** | **-77** | **-73** | **-75** |
| 511 | **1020** | **-75** | **-73** | **-74** |
| 512 | **1022** | **-78** | **-78** | **-78** |
| 513 | **1024** | **-73** | **-75** | **-74** |
| 514 | **1026** | **-76** | **-76** | **-76** |
| 515 | **1028** | **-75** | **-78** | **-76.5** |
| 516 | **1030** | **-79** | **-77** | **-78** |
| 517 | **1032** | **-75** | **-75** | **-75** |
| 518 | **1034** | **-78** | **-79** | **-78.5** |
| 519 | **1036** | **-81** | **-77** | **-79** |
| 520 | **1038** | **-78** | **-75** | **-76.5** |
| 521 | **1040** | **-75** | **-78** | **-76.5** |
| 522 | **1042** | **-74** | **-75** | **-74.5** |
| 523 | **1044** | **-79** | **-74** | **-76.5** |
| 524 | **1046** | **-75** | **-76** | **-75.5** |
| 525 | **1048** | **-74** | **-72** | **-73** |
| 526 | **1050** | **-72** | **-75** | **-73.5** |
| 527 | **1052** | **-70** | **-74** | **-72** |
| 528 | **1054** | **-72** | **-78** | **-75** |
| 529 | **1056** | **-75** | **-77** | **-76** |
| 530 | **1058** | **-74** | **-73** | **-73.5** |
| 531 | **1060** | **-72** | **-73** | **-72.5** |
| 532 | **1062** | **-73** | **-78** | **-75.5** |
| 533 | **1064** | **-77** | **-75** | **-76** |

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| 534 | **1066** | **-72** | **-76** | **-74** |
| 535 | **1068** | **-72** | **-78** | **-75** |
| 536 | **1070** | **-74** | **-77** | **-75.5** |
| 537 | **1072** | **-81** | **-75** | **-78** |
| 538 | **1074** | **-74** | **-79** | **-76.5** |
| 539 | **1076** | **-73** | **-77** | **-75** |
| 540 | **1078** | **-72** | **-75** | **-73.5** |
| 541 | **1080** | **-71** | **-78** | **-74.5** |
| 542 | **1082** | **-75** | **-75** | **-75** |
| 543 | **1084** | **-74** | **-74** | **-74** |
| 544 | **1086** | **-76** | **-76** | **-76** |
| 545 | **1088** | **-72** | **-72** | **-72** |
| 546 | **1090** | **-75** | **-75** | **-75** |
| 547 | **1092** | **-74** | **-74** | **-74** |
| 548 | **1094** | **-78** | **-78** | **-78** |
| 549 | **1096** | **-77** | **-77** | **-77** |
| 550 | **1098** | **-73** | **-73** | **-73** |
| 551 | **1100** | **-73** | **-73** | **-73** |
| 552 | **1102** | **-78** | **-78** | **-78** |
| 553 | **1104** | **-75** | **-75** | **-75** |
| 554 | **1106** | **-76** | **-76** | **-76** |
| 555 | **1108** | **-78** | **-78** | **-78** |
| 556 | **1110** | **-77** | **-77** | **-77** |
| 557 | **1112** | **-75** | **-75** | **-75** |
| 558 | **1114** | **-79** | **-79** | **-79** |
| 559 | **1116** | **-77** | **-77** | **-77** |
| 560 | **1118** | **-75** | **-75** | **-75** |
| 561 | **1120** | **-78** | **-78** | **-78** |
| 562 | **1122** | **-73** | **-75** | **-74** |
| 563 | **1124** | **-76** | **-74** | **-75** |
| 564 | **1126** | **-75** | **-76** | **-75.5** |
| 565 | **1128** | **-79** | **-72** | **-75.5** |
| 566 | **1130** | **-75** | **-75** | **-75** |
| 567 | **1132** | **-78** | **-74** | **-76** |

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| 568 | **1134** | **-81** | **-78** | **-79.5** |
| 569 | **1136** | **-78** | **-77** | **-77.5** |
| 570 | **1138** | **-75** | **-73** | **-74** |
| 571 | **1140** | **-74** | **-73** | **-73.5** |
| 572 | **1142** | **-79** | **-78** | **-78.5** |
| 573 | **1144** | **-75** | **-75** | **-75** |
| 574 | **1146** | **-74** | **-76** | **-75** |
| 575 | **1148** | **-72** | **-78** | **-75** |
| 576 | **1150** | **-70** | **-77** | **-73.5** |
| 577 | **1152** | **-72** | **-75** | **-73.5** |
| 578 | **1154** | **-75** | **-79** | **-77** |
| 579 | **1156** | **-74** | **-77** | **-75.5** |
| 580 | **1158** | **-72** | **-75** | **-73.5** |
| 581 | **1160** | **-73** | **-78** | **-75.5** |
| 582 | **1162** | **-77** | **-75** | **-76** |
| 583 | **1164** | **-73** | **-74** | **-73.5** |
| 584 | **1166** | **-72** | **-76** | **-74** |
| 585 | **1168** | **-74** | **-72** | **-73** |
| 586 | **1170** | **-81** | **-75** | **-78** |
| 587 | **1172** | **-74** | **-74** | **-74** |
| 588 | **1174** | **-73** | **-78** | **-75.5** |
| 589 | **1176** | **-72** | **-77** | **-74.5** |
| 590 | **1178** | **-71** | **-73** | **-72** |
| 591 | **1180** | **-75** | **-73** | **-74** |
| 592 | **1182** | **-74** | **-78** | **-76** |
| 593 | **1184** | **-76** | **-75** | **-75.5** |
| 594 | **1186** | **-72** | **-76** | **-74** |
| 595 | **1188** | **-75** | **-78** | **-76.5** |
| 596 | **1190** | **-74** | **-77** | **-75.5** |
| 597 | **1192** | **-78** | **-75** | **-76.5** |
| 598 | **1194** | **-77** | **-79** | **-78** |
| 599 | **1196** | **-73** | **-77** | **-75** |
| 600 | **1198** | **-73** | **-75** | **-74** |
| 601 | **1200** | **-78** | **-78** | **-78** |

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| 602 | **1202** | **-75** | **-75** | **-75** |
| 603 | **1204** | **-76** | **-74** | **-75** |
| 604 | **1206** | **-78** | **-76** | **-77** |
| 605 | **1208** | **-77** | **-72** | **-74.5** |
| 606 | **1210** | **-75** | **-75** | **-75** |
| 607 | **1212** | **-79** | **-74** | **-76.5** |
| 608 | **1214** | **-77** | **-78** | **-77.5** |
| 609 | **1216** | **-75** | **-77** | **-76** |
| 610 | **1218** | **-78** | **-73** | **-75.5** |
| 611 | **1220** | **-73** | **-73** | **-73** |
| 612 | **1222** | **-75** | **-76** | **-75.5** |
| 613 | **1224** | **-76** | **-74** | **-75** |
| 614 | **1226** | **-79** | **-73** | **-76** |
| 615 | **1228** | **-80** | **-72** | **-76** |
| 616 | **1230** | **-79** | **-70** | **-74.5** |
| 617 | **1232** | **-80** | **-75** | **-77.5** |
| 618 | **1234** | **-79** | **-74** | **-76.5** |
| 619 | **1236** | **-80** | **-76** | **-78** |
| 620 | **1238** | **-79** | **-71** | **-75** |
| 621 | **1240** | **-80** | **-75** | **-77.5** |
| 622 | **1242** | **-82** | **-74** | **-78** |
| 623 | **1244** | **-81** | **-78** | **-79.5** |
| 624 | **1246** | **-81** | **-83** | **-82** |
| 625 | **1248** | **-85** | **-84** | **-84.5** |
| 626 | **1250** | **-87** | **-82** | **-84.5** |
| 627 | **1252** | **-82** | **-84** | **-83** |
| 628 | **1254** | **-83** | **-82** | **-82.5** |
| 629 | **1256** | **-84** | **-83** | **-83.5** |
| 630 | **1258** | **-82** | **-84** | **-83** |
| 631 | **1260** | **-84** | **-81** | **-82.5** |
| 632 | **1262** | **-82** | **-85** | **-83.5** |
| 633 | **1264** | **-83** | **-86** | **-84.5** |
| 634 | **1266** | **-84** | **-87** | **-85.5** |
| 635 | **1268** | **-81** | **-85** | **-83** |

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| 636 | **1270** | **-85** | **-85** | **-85** |
| 637 | **1272** | **-86** | **-88** | **-87** |
| 638 | **1274** | **-87** | **-85** | **-86** |
| 639 | **1276** | **-85** | **-89** | **-87** |
| 640 | **1278** | **-85** | **-86** | **-85.5** |
| 641 | **1280** | **-88** | **-86** | **-87** |
| 642 | **1282** | **-85** | **-87** | **-86** |
| 643 | **1284** | **-89** | **-79** | **-84** |
| 644 | **1286** | **-86** | **-87** | **-86.5** |
| 645 | **1288** | **-86** | **-90** | **-88** |
| 646 | **1290** | **-87** | **-84** | **-85.5** |
| 647 | **1292** | **-79** | **-88** | **-83.5** |
| 648 | **1294** | **-87** | **-89** | **-88** |
| 649 | **1296** | **-90** | **-81** | **-85.5** |
| 650 | **1298** | **-84** | **-82** | **-83** |
| 651 | **1300** | **-88** | **-84** | **-86** |
| 652 | **1302** | **-89** | **-85** | **-87** |
| 653 | **1304** | **-81** | **-86** | **-83.5** |
| 654 | **1306** | **-82** | **-85** | **-83.5** |
| 655 | **1308** | **-84** | **-84** | **-84** |
| 656 | **1310** | **-85** | **-84** | **-84.5** |
| 657 | **1312** | **-86** | **-84** | **-85** |
| 658 | **1314** | **-85** | **-81** | **-83** |
| 659 | **1316** | **-84** | **-82** | **-83** |
| 660 | **1318** | **-84** | **-86** | **-85** |
| 661 | **1320** | **-84** | **-83** | **-83.5** |
| 662 | **1322** | **-81** | **-82** | **-81.5** |
| 663 | **1324** | **-82** | **-81** | **-81.5** |
| 664 | **1326** | **-86** | **-89** | **-87.5** |
| 665 | **1328** | **-83** | **-83** | **-83** |
| 666 | **1330** | **-82** | **-82** | **-82** |
| 667 | **1332** | **-81** | **-87** | **-84** |
| 668 | **1334** | **-89** | **-83** | **-86** |
| 669 | **1336** | **-83** | **-82** | **-82.5** |

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| 670 | **1338** | **-82** | **-83** | **-82.5** |
| 671 | **1340** | **-87** | **-84** | **-85.5** |
| 672 | **1342** | **-83** | **-85** | **-84** |
| 673 | **1344** | **-82** | **-82** | **-82** |
| 674 | **1346** | **-83** | **-84** | **-83.5** |
| 675 | **1348** | **-84** | **-85** | **-84.5** |
| 676 | **1350** | **-85** | **-79** | **-82** |
| 677 | **1352** | **-82** | **-78** | **-80** |
| 678 | **1354** | **-84** | **-80** | **-82** |
| 679 | **1356** | **-85** | **-83** | **-84** |
| 680 | **1358** | **-79** | **-83** | **-81** |
| 681 | **1360** | **-78** | **-85** | **-81.5** |
| 682 | **1362** | **-80** | **-87** | **-83.5** |
| 683 | **1364** | **-83** | **-84** | **-83.5** |
| 684 | **1366** | **-83** | **-84** | **-83.5** |
| 685 | **1368** | **-85** | **-85** | **-85** |
| 686 | **1370** | **-87** | **-85** | **-86** |
| 687 | **1372** | **-84** | **-89** | **-86.5** |
| 688 | **1374** | **-84** | **-83** | **-83.5** |
| 689 | **1376** | **-85** | **-86** | **-85.5** |
| 690 | **1378** | **-85** | **-85** | **-85** |
| 691 | **1380** | **-89** | **-84** | **-86.5** |
| 692 | **1382** | **-83** | **-82** | **-82.5** |
| 693 | **1384** | **-86** | **-83** | **-84.5** |
| 694 | **1386** | **-85** | **-85** | **-85** |
| 695 | **1388** | **-84** | **-84** | **-84** |
| 696 | **1390** | **-82** | **-85** | **-83.5** |
| 697 | **1392** | **-83** | **-86** | **-84.5** |
| 698 | **1394** | **-85** | **-83** | **-84** |
| 699 | **1396** | **-84** | **-84** | **-84** |
| 700 | **1398** | **-85** | **-81** | **-83** |
| 701 | **1400** | **-86** | **-83** | **-84.5** |
| 702 | **1402** | **-83** | **-82** | **-82.5** |
| 703 | **1404** | **-84** | **-83** | **-83.5** |

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| 704 | **1406** | **-81** | **-84** | **-82.5** |
| 705 | **1408** | **-83** | **-82** | **-82.5** |
| 706 | **1410** | **-82** | **-84** | **-83** |
| 707 | **1412** | **-83** | **-82** | **-82.5** |
| 708 | **1414** | **-85** | **-83** | **-84** |
| 709 | **1416** | **-83** | **-84** | **-83.5** |
| 710 | **1418** | **-85** | **-81** | **-83** |
| 711 | **1420** | **-83** | **-85** | **-84** |
| 712 | **1422** | **-82** | **-86** | **-84** |
| 713 | **1424** | **-87** | **-87** | **-87** |
| 714 | **1426** | **-89** | **-85** | **-87** |
| 715 | **1428** | **-86** | **-85** | **-85.5** |
| 716 | **1430** | **-85** | **-88** | **-86.5** |
| 717 | **1432** | **-84** | **-76** | **-80** |
| 718 | **1434** | **-85** | **-74** | **-79.5** |
| 719 | **1436** | **-86** | **-73** | **-79.5** |
| 720 | **1438** | **-75** | **-72** | **-73.5** |
| 721 | **1440** | **-76** | **-70** | **-73** |
| 722 | **1442** | **-79** | **-75** | **-77** |
| 723 | **1444** | **-80** | **-74** | **-77** |
| 724 | **1446** | **-79** | **-76** | **-77.5** |
| 725 | **1448** | **-80** | **-71** | **-75.5** |
| 726 | **1450** | **-79** | **-75** | **-77** |
| 727 | **1452** | **-80** | **-74** | **-77** |
| 728 | **1454** | **-79** | **-78** | **-78.5** |
| 729 | **1456** | **-80** | **-83** | **-81.5** |
| 730 | **1458** | **-82** | **-84** | **-83** |
| 731 | **1460** | **-81** | **-82** | **-81.5** |
| 732 | **1462** | **-81** | **-84** | **-82.5** |
| 733 | **1464** | **-85** | **-82** | **-83.5** |
| 734 | **1466** | **-87** | **-83** | **-85** |
| 735 | **1468** | **-82** | **-84** | **-83** |
| 736 | **1470** | **-83** | **-81** | **-82** |
| 737 | **1472** | **-84** | **-85** | **-84.5** |

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| 738 | **1474** | **-82** | **-86** | **-84** |
| 739 | **1476** | **-84** | **-87** | **-85.5** |
| 740 | **1478** | **-82** | **-85** | **-83.5** |
| 741 | **1480** | **-83** | **-85** | **-84** |
| 742 | **1482** | **-84** | **-88** | **-86** |
| 743 | **1484** | **-81** | **-85** | **-83** |
| 744 | **1486** | **-85** | **-89** | **-87** |
| 745 | **1488** | **-86** | **-86** | **-86** |
| 746 | **1490** | **-87** | **-86** | **-86.5** |
| 747 | **1492** | **-85** | **-87** | **-86** |
| 748 | **1494** | **-85** | **-79** | **-82** |
| 749 | **1496** | **-88** | **-87** | **-87.5** |
| 750 | **1498** | **-85** | **-90** | **-87.5** |
| 751 | **1500** | **-89** | **-84** | **-86.5** |
| 752 | **1502** | **-86** | **-88** | **-87** |
| 753 | **1504** | **-86** | **-89** | **-87.5** |
| 754 | **1506** | **-87** | **-81** | **-84** |
| 755 | **1508** | **-79** | **-82** | **-80.5** |
| 756 | **1510** | **-87** | **-84** | **-85.5** |
| 757 | **1512** | **-90** | **-85** | **-87.5** |
| 758 | **1514** | **-84** | **-86** | **-85** |
| 759 | **1516** | **-87** | **-81** | **-84** |
| 760 | **1518** | **-85** | **-82** | **-83.5** |
| 761 | **1520** | **-81** | **-86** | **-83.5** |
| 762 | **1522** | **-79** | **-83** | **-81** |
| 763 | **1524** | **-84** | **-82** | **-83** |
| 764 | **1526** | **-85** | **-81** | **-83** |
| 765 | **1528** | **-89** | **-89** | **-89** |
| 766 | **1530** | **-87** | **-83** | **-85** |
| 767 | **1532** | **-87** | **-82** | **-84.5** |
| 768 | **1534** | **-85** | **-87** | **-86** |
| 769 | **1536** | **-86** | **-83** | **-84.5** |
| 770 | **1538** | **-84** | **-82** | **-83** |
| 771 | **1540** | **-87** | **-84** | **-85.5** |

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| 772 | **1542** | **-88** | **-86** | **-87** |
| 773 | **1544** | **-87** | **-85** | **-86** |
| 774 | **1546** | **-84** | **-82** | **-83** |
| 775 | **1548** | **-88** | **-84** | **-86** |
| 776 | **1550** | **-87** | **-85** | **-86** |
| 777 | **1552** | **-81** | **-79** | **-80** |
| 778 | **1554** | **-79** | **-80** | **-79.5** |
| 779 | **1556** | **-81** | **-82** | **-81.5** |
| 780 | **1558** | **-78** | **-83** | **-80.5** |
| 781 | **1560** | **-78** | **-80** | **-79** |
| 782 | **1562** | **-79** | **-82** | **-80.5** |
| 783 | **1564** | **-82** | **-87** | **-84.5** |
| 784 | **1566** | **-78** | **-82** | **-80** |
| 785 | **1568** | **-80** | **-84** | **-82** |
| 786 | **1570** | **-79** | **-85** | **-82** |
| 787 | **1572** | **-79** | **-83** | **-81** |
| 788 | **1574** | **-80** | **-89** | **-84.5** |
| 789 | **1576** | **-79** | **-83** | **-81** |
| 790 | **1578** | **-80** | **-86** | **-83** |
| 791 | **1580** | **-79** | **-85** | **-82** |
| 792 | **1582** | **-80** | **-84** | **-82** |
| 793 | **1584** | **-79** | **-82** | **-80.5** |
| 794 | **1586** | **-80** | **-83** | **-81.5** |
| 795 | **1588** | **-82** | **-81** | **-81.5** |
| 796 | **1590** | **-81** | **-82** | **-81.5** |
| 797 | **1592** | **-81** | **-86** | **-83.5** |
| 798 | **1594** | **-85** | **-83** | **-84** |
| 799 | **1596** | **-87** | **-82** | **-84.5** |
| 800 | **1598** | **-82** | **-81** | **-81.5** |
| 801 | **1600** | **-83** | **-89** | **-86** |
| 802 | **1602** | **-84** | **-83** | **-83.5** |
| 803 | **1604** | **-82** | **-82** | **-82** |
| 804 | **1606** | **-84** | **-87** | **-85.5** |
| 805 | **1608** | **-82** | **-83** | **-82.5** |

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| 806 | **1610** | **-83** | **-82** | **-82.5** |
| 807 | **1612** | **-84** | **-84** | **-84** |
| 808 | **1614** | **-81** | **-86** | **-83.5** |
| 809 | **1616** | **-85** | **-85** | **-85** |
| 810 | **1618** | **-86** | **-82** | **-84** |
| 811 | **1620** | **-87** | **-84** | **-85.5** |
| 812 | **1622** | **-85** | **-85** | **-85** |
| 813 | **1624** | **-85** | **-79** | **-82** |
| 814 | **1626** | **-88** | **-78** | **-83** |
| 815 | **1628** | **-85** | **-80** | **-82.5** |
| 816 | **1630** | **-89** | **-83** | **-86** |
| 817 | **1632** | **-86** | **-83** | **-84.5** |
| 818 | **1634** | **-86** | **-85** | **-85.5** |
| 819 | **1636** | **-87** | **-87** | **-87** |
| 820 | **1638** | **-79** | **-84** | **-81.5** |
| 821 | **1640** | **-87** | **-84** | **-85.5** |
| 822 | **1642** | **-90** | **-85** | **-87.5** |
| 823 | **1644** | **-84** | **-85** | **-84.5** |
| 824 | **1646** | **-88** | **-89** | **-88.5** |
| 825 | **1648** | **-89** | **-83** | **-86** |
| 826 | **1650** | **-81** | **-86** | **-83.5** |
| 827 | **1652** | **-82** | **-85** | **-83.5** |
| 828 | **1654** | **-84** | **-84** | **-84** |
| 829 | **1656** | **-85** | **-82** | **-83.5** |
| 830 | **1658** | **-84** | **-83** | **-83.5** |
| 831 | **1660** | **-85** | **-81** | **-83** |
| 832 | **1662** | **-84** | **-82** | **-83** |
| 833 | **1664** | **-84** | **-86** | **-85** |
| 834 | **1666** | **-84** | **-83** | **-83.5** |
| 835 | **1668** | **-81** | **-82** | **-81.5** |
| 836 | **1670** | **-82** | **-81** | **-81.5** |
| 837 | **1672** | **-86** | **-89** | **-87.5** |
| 838 | **1674** | **-83** | **-83** | **-83** |
| 839 | **1676** | **-82** | **-82** | **-82** |

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| 840 | **1678** | **-81** | **-87** | **-84** |
| 841 | **1680** | **-89** | **-83** | **-86** |
| 842 | **1682** | **-83** | **-82** | **-82.5** |
| 843 | **1684** | **-82** | **-84** | **-83** |
| 844 | **1686** | **-87** | **-86** | **-86.5** |
| 845 | **1688** | **-83** | **-85** | **-84** |
| 846 | **1690** | **-82** | **-82** | **-82** |
| 847 | **1692** | **-84** | **-84** | **-84** |
| 848 | **1694** | **-86** | **-85** | **-85.5** |
| 849 | **1696** | **-85** | **-79** | **-82** |
| 850 | **1698** | **-82** | **-78** | **-80** |
| 851 | **1700** | **-84** | **-84** | **-84** |
| 852 | **1702** | **-85** | **-85** | **-85** |
| 853 | **1704** | **-89** | **-89** | **-89** |
| 854 | **1706** | **-88** | **-88** | **-88** |
| 855 | **1708** | **-85** | **-85** | **-85** |
| 856 | **1710** | **-83** | **-83** | **-83** |
| 857 | **1712** | **-83** | **-83** | **-83** |
| 858 | **1714** | **-85** | **-85** | **-85** |
| 859 | **1716** | **-87** | **-87** | **-87** |
| 860 | **1718** | **-84** | **-84** | **-84** |
| 861 | **1720** | **-84** | **-84** | **-84** |
| 862 | **1722** | **-85** | **-85** | **-85** |
| 863 | **1724** | **-85** | **-85** | **-85** |
| 864 | **1726** | **-89** | **-89** | **-89** |
| 865 | **1728** | **-87** | **-87** | **-87** |
| 866 | **1730** | **-86** | **-86** | **-86** |
| 867 | **1732** | **-85** | **-85** | **-85** |
| 868 | **1734** | **-84** | **-84** | **-84** |
| 869 | **1736** | **-86** | **-86** | **-86** |
| 870 | **1738** | **-84** | **-86** | **-85** |
| 871 | **1740** | **-87** | **-87** | **-87** |
| 872 | **1742** | **-91** | **-91** | **-91** |
| 873 | **1744** | **-90** | **-90** | **-90** |

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| 874 | **1746** | **-91** | **-91** | **-91** |
| 875 | **1748** | **-92** | **-92** | **-92** |
| 876 | **1750** | **-93** | **-84** | **-88.5** |
| 877 | **1752** | **-91** | **-85** | **-88** |
| 878 | **1754** | **-92** | **-89** | **-90.5** |
| 879 | **1756** | **-93** | **-88** | **-90.5** |
| 880 | **1758** | **-95** | **-85** | **-90** |
| 881 | **1760** | **-97** | **-83** | **-90** |
| 882 | **1762** | **-96** | **-83** | **-89.5** |
| 883 | **1764** | **-92** | **-85** | **-88.5** |
| 884 | **1766** | **-95** | **-87** | **-91** |
| 885 | **1768** | **-98** | **-84** | **-91** |
| 886 | **1770** | **-97** | **-84** | **-90.5** |
| 887 | **1772** | **-94** | **-85** | **-89.5** |
| 888 | **1774** | **-91** | **-85** | **-88** |
| 889 | **1776** | **-91** | **-89** | **-90** |
| 890 | **1778** | **-95** | **-87** | **-91** |
| 891 | **1780** | **-93** | **-86** | **-89.5** |
| 892 | **1782** | **-93** | **-85** | **-89** |
| 893 | **1784** | **-94** | **-84** | **-89** |
| 894 | **1786** | **-97** | **-86** | **-91.5** |
| 895 | **1788** | **-95** | **-84** | **-89.5** |
| 896 | **1790** | **-94** | **-87** | **-90.5** |
| 897 | **1792** | **-96** | **-91** | **-93.5** |
| 898 | **1794** | **-94** | **-90** | **-92** |
| 899 | **1796** | **-95** | **-91** | **-93** |
| 900 | **1798** | **-98** | **-92** | **-95** |
| 901 | **1800** | **-93** | **-89** | **-91** |
| 902 | **1802** | **-89** | **-91** | **-90** |
| 903 | **1804** | **-99** | **-89** | **-94** |
| 904 | **1806** | **-90** | **-91** | **-90.5** |
| 905 | **1808** | **-95** | **-89** | **-92** |
| 906 | **1810** | **-89** | **-92** | **-90.5** |
| 907 | **1812** | **-92** | **-87** | **-89.5** |

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| 908 | **1814** | **-95** | **-91** | **-93** |
| 909 | **1816** | **-96** | **-92** | **-94** |
| 910 | **1818** | **-94** | **-95** | **-94.5** |
| 911 | **1820** | **-89** | **-96** | **-92.5** |
| 912 | **1822** | **-91** | **-93** | **-92** |
| 913 | **1824** | **-90** | **-88** | **-89** |
| 914 | **1826** | **-91** | **-93** | **-92** |
| 915 | **1828** | **-92** | **-91** | **-91.5** |
| 916 | **1830** | **-93** | **-90** | **-91.5** |
| 917 | **1832** | **-91** | **-95** | **-93** |
| 918 | **1834** | **-92** | **-90** | **-91** |
| 919 | **1836** | **-93** | **-89** | **-91** |
| 920 | **1838** | **-95** | **-91** | **-93** |
| 921 | **1840** | **-97** | **-87** | **-92** |
| 922 | **1842** | **-96** | **-91** | **-93.5** |
| 923 | **1844** | **-92** | **-90** | **-91** |
| 924 | **1846** | **-95** | **-95** | **-95** |
| 925 | **1848** | **-98** | **-97** | **-97.5** |
| 926 | **1850** | **-96** | **-97** | **-96.5** |
| 927 | **1852** | **-102** | **-98** | **-100** |
| 928 | **1854** | **-91** | **-99** | **-95** |
| 929 | **1856** | **-92** | **-98** | **-95** |
| 930 | **1858** | **-93** | **-99** | **-96** |
| 931 | **1860** | **-93** | **-101** | **-97** |
| 932 | **1862** | **-95** | **-98** | **-96.5** |
| 933 | **1864** | **-96** | **-102** | **-99** |
| 934 | **1866** | **-93** | **-96** | **-94.5** |
| 935 | **1868** | **-95** | **-97** | **-96** |
| 936 | **1870** | **-96** | **-98** | **-97** |
| 937 | **1872** | **-97** | **-96** | **-96.5** |
| 938 | **1874** | **-94** | **-101** | **-97.5** |
| 939 | **1876** | **-95** | **-105** | **-100** |
| 940 | **1878** | **-97** | **-101** | **-99** |
| 941 | **1880** | **-96** | **-96** | **-96** |

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| 942 | **1882** | **-97** | **-96** | **-96.5** |
| 943 | **1884** | **-98** | **-95** | **-96.5** |
| 944 | **1886** | **-99** | **-96** | **-97.5** |
| 945 | **1888** | **-98** | **-95** | **-96.5** |
| 946 | **1890** | **-99** | **-93** | **-96** |
| 947 | **1892** | **-101** | **-93** | **-97** |
| 948 | **1894** | **-98** | **-95** | **-96.5** |
| 949 | **1896** | **-102** | **-96** | **-99** |
| 950 | **1898** | **-96** | **-93** | **-94.5** |
| 951 | **1900** | **-97** | **-95** | **-96** |
| 952 | **1902** | **-98** | **-96** | **-97** |
| 953 | **1904** | **-96** | **-97** | **-96.5** |
| 954 | **1906** | **-101** | **-94** | **-97.5** |
| 955 | **1908** | **-105** | **-95** | **-100** |
| 956 | **1910** | **-101** | **-97** | **-99** |
| 957 | **1912** | **-96** | **-96** | **-96** |
| 958 | **1914** | **-96** | **-97** | **-96.5** |
| 959 | **1916** | **-95** | **-98** | **-96.5** |
| 960 | **1918** | **-91** | **-99** | **-95** |
| 961 | **1920** | **-92** | **-98** | **-95** |
| 962 | **1922** | **-93** | **-99** | **-96** |
| 963 | **1924** | **-93** | **-97** | **-95** |
| 964 | **1926** | **-95** | **-98** | **-96.5** |
| 965 | **1928** | **-96** | **-99** | **-97.5** |
| 966 | **1930** | **-93** | **-101** | **-97** |
| 967 | **1932** | **-95** | **-99** | **-97** |
| 968 | **1934** | **-96** | **-101** | **-98.5** |
| 969 | **1936** | **-97** | **-98** | **-97.5** |
| 970 | **1938** | **-94** | **-102** | **-98** |
| 971 | **1940** | **-95** | **-96** | **-95.5** |
| 972 | **1942** | **-97** | **-97** | **-97** |
| 973 | **1944** | **-96** | **-98** | **-97** |
| 974 | **1946** | **-97** | **-96** | **-96.5** |
| 975 | **1948** | **-98** | **-103** | **-100.5** |

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| 976 | **1950** | **-99** | **-105** | **-102** |
| 977 | **1952** | **-98** | **-101** | **-99.5** |
| 978 | **1954** | **-99** | **-96** | **-97.5** |
| 979 | **1956** | **-101** | **-96** | **-98.5** |
| 980 | **1958** | **-98** | **-95** | **-96.5** |
| 981 | **1960** | **-102** | **-91** | **-96.5** |
| 982 | **1962** | **-96** | **-102** | **-99** |
| 983 | **1964** | **-97** | **-93** | **-95** |
| 984 | **1966** | **-98** | **-93** | **-95.5** |
| 985 | **1968** | **-96** | **-95** | **-95.5** |
| 986 | **1970** | **-101** | **-96** | **-98.5** |
| 987 | **1972** | **-105** | **-93** | **-99** |
| 988 | **1974** | **-101** | **-95** | **-98** |
| 989 | **1976** | **-98** | **-96** | **-97** |
| 990 | **1978** | **-96** | **-106** | **-101** |
| 991 | **1980** | **-95** | **-97** | **-96** |
| 992 | **1982** | **-94** | **-95** | **-94.5** |
| 993 | **1984** | **-102** | **-97** | **-99.5** |
| 994 | **1986** | **-95** | **-96** | **-95.5** |
| 995 | **1988** | **-93** | **-97** | **-95** |
| 996 | **1990** | **-102** | **-98** | **-100** |
| 997 | **1992** | **-96** | **-99** | **-97.5** |
| 998 | **1994** | **-93** | **-98** | **-95.5** |
| 999 | **1996** | **-95** | **-99** | **-97** |
| 1000 | **1998** | **-99** | **-101** | **-100** |
| 1001 | **2000** | **-105** | **-102** | **-103.5** |

## 1.4 RSSI FOR AIRTEL 2G

**CELL ID: 51386**

| S/N | DISTANCE (m) | RSSI 2G (Dbm) signal strength | RSSI 2G (Dbm) net monitor | MEAN(dbm) |
|---|---|---|---|---|
| 1 | **0** | **-49** | **-49** | **-49** |
| 2 | **2** | **-52** | **-51** | **-51.5** |
| 3 | **4** | **-52** | **-49** | **-50.5** |
| 4 | **6** | **-51** | **-57** | **-54** |
| 5 | **8** | **-50** | **-53** | **-51.5** |
| 6 | **10** | **-55** | **-55** | **-55** |
| 7 | **12** | **-51** | **-55** | **-53** |
| 8 | **14** | **-51** | **-49** | **-50** |
| 9 | **16** | **-51** | **-51** | **-51** |
| 10 | **18** | **-53** | **-51** | **-52** |
| 11 | **20** | **-57** | **-49** | **-53** |
| 12 | **22** | **-55** | **-52** | **-53.5** |
| 13 | **24** | **-55** | **-49** | **-52** |
| 14 | **26** | **-53** | **-50** | **-51.5** |
| 15 | **28** | **-54** | **-51** | **-52.5** |
| 16 | **30** | **-53** | **-55** | **-54** |
| 17 | **32** | **-51** | **-59** | **-55** |
| 18 | **34** | **-53** | **-54** | **-53.5** |
| 19 | **36** | **-55** | **-56** | **-55.5** |
| 20 | **38** | **-54** | **-51** | **-52.5** |
| 21 | **40** | **-56** | **-52** | **-54** |
| 22 | **42** | **-53** | **-53** | **-53** |
| 23 | **44** | **-52** | **-57** | **-54.5** |
| 24 | **46** | **-53** | **-54** | **-53.5** |
| 25 | **48** | **-54** | **-56** | **-55** |
| 26 | **50** | **-52** | **-58** | **-55** |
| 27 | **52** | **-53** | **-54** | **-53.5** |
| 28 | **54** | **-55** | **-53** | **-54** |
| 29 | **56** | **-56** | **-57** | **-56.5** |
| 30 | **58** | **-57** | **-55** | **-56** |

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| 31 | **60** | **-59** | **-53** | **-56** |
| 32 | **62** | **-57** | **-54** | **-55.5** |
| 33 | **64** | **-56** | **-57** | **-56.5** |
| 34 | **66** | **-54** | **-58** | **-56** |
| 35 | **68** | **-62** | **-54** | **-58** |
| 36 | **70** | **-59** | **-56** | **-57.5** |
| 37 | **72** | **-57** | **-54** | **-55.5** |
| 38 | **74** | **-56** | **-53** | **-54.5** |
| 39 | **76** | **-55** | **-56** | **-55.5** |
| 40 | **78** | **-54** | **-57** | **-55.5** |
| 41 | **80** | **-56** | **-54** | **-55** |
| 42 | **82** | **-56** | **-55** | **-55.5** |
| 43 | **84** | **-56** | **-58** | **-57** |
| 44 | **86** | **-57** | **-54** | **-55.5** |
| 45 | **88** | **-52** | **-58** | **-55** |
| 46 | **90** | **-53** | **-54** | **-53.5** |
| 47 | **92** | **-55** | **-53** | **-54** |
| 48 | **94** | **-56** | **-57** | **-56.5** |
| 49 | **96** | **-57** | **-55** | **-56** |
| 50 | **98** | **-59** | **-53** | **-56** |
| 51 | **100** | **-57** | **-54** | **-55.5** |
| 52 | **102** | **-56** | **-57** | **-56.5** |
| 53 | **104** | **-54** | **-58** | **-56** |
| 54 | **106** | **-62** | **-54** | **-58** |
| 55 | **108** | **-59** | **-56** | **-57.5** |
| 56 | **110** | **-57** | **-54** | **-55.5** |
| 57 | **112** | **-56** | **-53** | **-54.5** |
| 58 | **114** | **-55** | **-56** | **-55.5** |
| 59 | **116** | **-54** | **-57** | **-55.5** |
| 60 | **118** | **-56** | **-54** | **-55** |
| 61 | **120** | **-56** | **-55** | **-55.5** |
| 62 | **122** | **-56** | **-58** | **-57** |
| 63 | **124** | **-57** | **-54** | **-55.5** |
| 64 | **126** | **-52** | **-58** | **-55** |

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| 65 | **128** | **-53** | **-54** | **-53.5** |
| 66 | **130** | **-55** | **-53** | **-54** |
| 67 | **132** | **-56** | **-57** | **-56.5** |
| 68 | **134** | **-57** | **-55** | **-56** |
| 69 | **136** | **-59** | **-53** | **-56** |
| 70 | **138** | **-57** | **-54** | **-55.5** |
| 71 | **140** | **-56** | **-57** | **-56.5** |
| 72 | **142** | **-54** | **-58** | **-56** |
| 73 | **144** | **-62** | **-54** | **-58** |
| 74 | **146** | **-59** | **-56** | **-57.5** |
| 75 | **148** | **-57** | **-54** | **-55.5** |
| 76 | **150** | **-56** | **-53** | **-54.5** |
| 77 | **152** | **-55** | **-56** | **-55.5** |
| 78 | **154** | **-54** | **-57** | **-55.5** |
| 79 | **156** | **-56** | **-54** | **-55** |
| 80 | **158** | **-56** | **-55** | **-55.5** |
| 81 | **160** | **-56** | **-58** | **-57** |
| 82 | **162** | **-57** | **-54** | **-55.5** |
| 83 | **164** | **-52** | **-58** | **-55** |
| 84 | **166** | **-53** | **-54** | **-53.5** |
| 85 | **168** | **-55** | **-53** | **-54** |
| 86 | **170** | **-56** | **-57** | **-56.5** |
| 87 | **172** | **-57** | **-55** | **-56** |
| 88 | **174** | **-59** | **-53** | **-56** |
| 89 | **176** | **-57** | **-54** | **-55.5** |
| 90 | **178** | **-56** | **-57** | **-56.5** |
| 91 | **180** | **-54** | **-58** | **-56** |
| 92 | **182** | **-62** | **-54** | **-58** |
| 93 | **184** | **-59** | **-56** | **-57.5** |
| 94 | **186** | **-57** | **-54** | **-55.5** |
| 95 | **188** | **-56** | **-53** | **-54.5** |
| 96 | **190** | **-55** | **-56** | **-55.5** |
| 97 | **192** | **-54** | **-57** | **-55.5** |
| 98 | **194** | **-56** | **-54** | **-55** |

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| 99 | **196** | **-56** | **-55** | **-55.5** |
| 100 | **198** | **-56** | **-58** | **-57** |
| 101 | **200** | **-57** | **-54** | **-55.5** |
| 102 | **202** | **-52** | **-58** | **-55** |
| 103 | **204** | **-53** | **-54** | **-53.5** |
| 104 | **206** | **-55** | **-53** | **-54** |
| 105 | **208** | **-56** | **-57** | **-56.5** |
| 106 | **210** | **-57** | **-55** | **-56** |
| 107 | **212** | **-59** | **-53** | **-56** |
| 108 | **214** | **-57** | **-54** | **-55.5** |
| 109 | **216** | **-56** | **-57** | **-56.5** |
| 110 | **218** | **-54** | **-58** | **-56** |
| 111 | **220** | **-62** | **-54** | **-58** |
| 112 | **222** | **-59** | **-56** | **-57.5** |
| 113 | **224** | **-57** | **-54** | **-55.5** |
| 114 | **226** | **-56** | **-53** | **-54.5** |
| 115 | **228** | **-55** | **-56** | **-55.5** |
| 116 | **230** | **-54** | **-57** | **-55.5** |
| 117 | **232** | **-56** | **-54** | **-55** |
| 118 | **234** | **-56** | **-55** | **-55.5** |
| 119 | **236** | **-56** | **-58** | **-57** |
| 120 | **238** | **-57** | **-54** | **-55.5** |
| 121 | **240** | **-52** | **-58** | **-55** |
| 122 | **242** | **-53** | **-54** | **-53.5** |
| 123 | **244** | **-55** | **-53** | **-54** |
| 124 | **246** | **-56** | **-57** | **-56.5** |
| 125 | **248** | **-57** | **-55** | **-56** |
| 126 | **250** | **-59** | **-53** | **-56** |
| 127 | **252** | **-57** | **-54** | **-55.5** |
| 128 | **254** | **-56** | **-57** | **-56.5** |
| 129 | **256** | **-54** | **-58** | **-56** |
| 130 | **258** | **-56** | **-54** | **-55** |
| 131 | **260** | **-59** | **-56** | **-57.5** |
| 132 | **262** | **-57** | **-54** | **-55.5** |

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| 133 | **264** | **-56** | **-53** | **-54.5** |
| 134 | **266** | **-55** | **-56** | **-55.5** |
| 135 | **268** | **-54** | **-57** | **-55.5** |
| 136 | **270** | **-56** | **-54** | **-55** |
| 137 | **272** | **-56** | **-55** | **-55.5** |
| 138 | **274** | **-56** | **-58** | **-57** |
| 139 | **276** | **-57** | **-54** | **-55.5** |
| 140 | **278** | **-52** | **-58** | **-55** |
| 141 | **280** | **-53** | **-54** | **-53.5** |
| 142 | **282** | **-55** | **-53** | **-54** |
| 143 | **284** | **-56** | **-57** | **-56.5** |
| 144 | **286** | **-57** | **-55** | **-56** |
| 145 | **288** | **-59** | **-53** | **-56** |
| 146 | **290** | **-57** | **-54** | **-55.5** |
| 147 | **292** | **-56** | **-57** | **-56.5** |
| 148 | **294** | **-54** | **-58** | **-56** |
| 149 | **296** | **-62** | **-54** | **-58** |
| 150 | **298** | **-59** | **-56** | **-57.5** |
| 151 | **300** | **-57** | **-54** | **-55.5** |
| 152 | **302** | **-56** | **-53** | **-54.5** |
| 153 | **304** | **-55** | **-56** | **-55.5** |
| 154 | **306** | **-54** | **-57** | **-55.5** |
| 155 | **308** | **-56** | **-54** | **-55** |
| 156 | **310** | **-56** | **-55** | **-55.5** |
| 157 | **312** | **-56** | **-58** | **-57** |
| 158 | **314** | **-57** | **-54** | **-55.5** |
| 159 | **316** | **-52** | **-58** | **-55** |
| 160 | **318** | **-53** | **-54** | **-53.5** |
| 161 | **320** | **-55** | **-53** | **-54** |
| 162 | **322** | **-56** | **-57** | **-56.5** |
| 163 | **324** | **-57** | **-55** | **-56** |
| 164 | **326** | **-59** | **-53** | **-56** |
| 165 | **328** | **-57** | **-54** | **-55.5** |
| 166 | **330** | **-56** | **-57** | **-56.5** |

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| 167 | **332** | **-54** | **-58** | **-56** |
| 168 | **334** | **-62** | **-54** | **-58** |
| 169 | **336** | **-59** | **-56** | **-57.5** |
| 170 | **338** | **-57** | **-54** | **-55.5** |
| 171 | **340** | **-56** | **-53** | **-54.5** |
| 172 | **342** | **-55** | **-56** | **-55.5** |
| 173 | **344** | **-54** | **-57** | **-55.5** |
| 174 | **346** | **-56** | **-54** | **-55** |
| 175 | **348** | **-56** | **-55** | **-55.5** |
| 176 | **350** | **-56** | **-58** | **-57** |
| 177 | **352** | **-57** | **-54** | **-55.5** |
| 178 | **354** | **-52** | **-58** | **-55** |
| 179 | **356** | **-53** | **-54** | **-53.5** |
| 180 | **358** | **-55** | **-53** | **-54** |
| 181 | **360** | **-56** | **-57** | **-56.5** |
| 182 | **362** | **-57** | **-55** | **-56** |
| 183 | **364** | **-59** | **-53** | **-56** |
| 184 | **366** | **-57** | **-54** | **-55.5** |
| 185 | **368** | **-56** | **-57** | **-56.5** |
| 186 | **370** | **-54** | **-58** | **-56** |
| 187 | **372** | **-62** | **-54** | **-58** |
| 188 | **374** | **-59** | **-56** | **-57.5** |
| 189 | **376** | **-57** | **-54** | **-55.5** |
| 190 | **378** | **-56** | **-53** | **-54.5** |
| 191 | **380** | **-55** | **-56** | **-55.5** |
| 192 | **382** | **-54** | **-57** | **-55.5** |
| 193 | **384** | **-56** | **-54** | **-55** |
| 194 | **386** | **-56** | **-55** | **-55.5** |
| 195 | **388** | **-56** | **-58** | **-57** |
| 196 | **390** | **-57** | **-54** | **-55.5** |
| 197 | **392** | **-52** | **-58** | **-55** |
| 198 | **394** | **-53** | **-54** | **-53.5** |
| 199 | **396** | **-55** | **-53** | **-54** |
| 200 | **398** | **-56** | **-57** | **-56.5** |

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| 201 | **400** | **-57** | **-55** | **-56** |
| 202 | **402** | **-59** | **-53** | **-56** |
| 203 | **404** | **-57** | **-54** | **-55.5** |
| 204 | **406** | **-56** | **-57** | **-56.5** |
| 205 | **408** | **-54** | **-58** | **-56** |
| 206 | **410** | **-55** | **-54** | **-54.5** |
| 207 | **412** | **-59** | **-56** | **-57.5** |
| 208 | **414** | **-57** | **-54** | **-55.5** |
| 209 | **416** | **-56** | **-53** | **-54.5** |
| 210 | **418** | **-55** | **-56** | **-55.5** |
| 211 | **420** | **-54** | **-57** | **-55.5** |
| 212 | **422** | **-56** | **-54** | **-55** |
| 213 | **424** | **-56** | **-55** | **-55.5** |
| 214 | **426** | **-56** | **-58** | **-57** |
| 215 | **428** | **-57** | **-54** | **-55.5** |
| 216 | **430** | **-52** | **-58** | **-55** |
| 217 | **432** | **-53** | **-54** | **-53.5** |
| 218 | **434** | **-55** | **-53** | **-54** |
| 219 | **436** | **-56** | **-57** | **-56.5** |
| 220 | **438** | **-57** | **-55** | **-56** |
| 221 | **440** | **-59** | **-53** | **-56** |
| 222 | **442** | **-57** | **-54** | **-55.5** |
| 223 | **444** | **-56** | **-57** | **-56.5** |
| 224 | **446** | **-54** | **-58** | **-56** |
| 225 | **448** | **-58** | **-54** | **-56** |
| 226 | **450** | **-59** | **-56** | **-57.5** |
| 227 | **452** | **-57** | **-54** | **-55.5** |
| 228 | **454** | **-57** | **-59** | **-58** |
| 229 | **456** | **-60** | **-67** | **-63.5** |
| 230 | **458** | **-65** | **-69** | **-67** |
| 231 | **460** | **-67** | **-68** | **-67.5** |
| 232 | **462** | **-65** | **-65** | **-65** |
| 233 | **464** | **-63** | **-67** | **-65** |
| 234 | **466** | **-65** | **-66** | **-65.5** |

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| 235 | **468** | **-63** | **-67** | **-65** |
| 236 | **470** | **-61** | **-61** | **-61** |
| 237 | **472** | **-62** | **-65** | **-63.5** |
| 238 | **474** | **-63** | **-67** | **-65** |
| 239 | **476** | **-61** | **-63** | **-62** |
| 240 | **478** | **-62** | **-59** | **-60.5** |
| 241 | **480** | **-61** | **-60** | **-60.5** |
| 242 | **482** | **-65** | **-67** | **-66** |
| 243 | **484** | **-64** | **-65** | **-64.5** |
| 244 | **486** | **-61** | **-67** | **-64** |
| 245 | **488** | **-63** | **-67** | **-65** |
| 246 | **490** | **-64** | **-65** | **-64.5** |
| 247 | **492** | **-63** | **-67** | **-65** |
| 248 | **494** | **-64** | **-69** | **-66.5** |
| 249 | **496** | **-65** | **-63** | **-64** |
| 250 | **498** | **-61** | **-65** | **-63** |
| 251 | **500** | **-63** | **-65** | **-64** |
| 252 | **502** | **-65** | **-58** | **-61.5** |
| 253 | **504** | **-61** | **-63** | **-62** |
| 254 | **506** | **-60** | **-59** | **-59.5** |
| 255 | **508** | **-63** | **-62** | **-62.5** |
| 256 | **510** | **-61** | **-62** | **-61.5** |
| 257 | **512** | **-64** | **-63** | **-63.5** |
| 258 | **514** | **-65** | **-67** | **-66** |
| 259 | **516** | **-64** | **-61** | **-62.5** |
| 260 | **518** | **-66** | **-69** | **-67.5** |
| 261 | **520** | **-67** | **-71** | **-69** |
| 262 | **522** | **-65** | **-68** | **-66.5** |
| 263 | **524** | **-68** | **-67** | **-67.5** |
| 264 | **526** | **-67** | **-63** | **-65** |
| 265 | **528** | **-65** | **-69** | **-67** |
| 266 | **530** | **-68** | **-67** | **-67.5** |
| 267 | **532** | **-66** | **-69** | **-67.5** |
| 268 | **534** | **-65** | **-63** | **-64** |

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| 269 | **536** | **-69** | **-65** | **-67** |
| 270 | **538** | **-71** | **-68** | **-69.5** |
| 271 | **540** | **-73** | **-75** | **-74** |
| 272 | **542** | **-69** | **-70** | **-69.5** |
| 273 | **544** | **-72** | **-71** | **-71.5** |
| 274 | **546** | **-73** | **-76** | **-74.5** |
| 275 | **548** | **-72** | **-73** | **-72.5** |
| 276 | **550** | **-73** | **-74** | **-73.5** |
| 277 | **552** | **-72** | **-73** | **-72.5** |
| 278 | **554** | **-69** | **-66** | **-67.5** |
| 279 | **556** | **-69** | **-73** | **-71** |
| 280 | **558** | **-70** | **-71** | **-70.5** |
| 281 | **560** | **-71** | **-73** | **-72** |
| 282 | **562** | **-72** | **-74** | **-73** |
| 283 | **564** | **-67** | **-70** | **-68.5** |
| 284 | **566** | **-65** | **-69** | **-67** |
| 285 | **568** | **-64** | **-67** | **-65.5** |
| 286 | **570** | **-62** | **-63** | **-62.5** |
| 287 | **572** | **-63** | **-67** | **-65** |
| 288 | **574** | **-68** | **-67** | **-67.5** |
| 289 | **576** | **-71** | **-70** | **-70.5** |
| 290 | **578** | **-69** | **-66** | **-67.5** |
| 291 | **580** | **-67** | **-69** | **-68** |
| 292 | **582** | **-66** | **-57** | **-61.5** |
| 293 | **584** | **-64** | **-69** | **-66.5** |
| 294 | **586** | **-67** | **-68** | **-67.5** |
| 295 | **588** | **-69** | **-65** | **-67** |
| 296 | **590** | **-67** | **-71** | **-69** |
| 297 | **592** | **-65** | **-69** | **-67** |
| 298 | **594** | **-71** | **-68** | **-69.5** |
| 299 | **596** | **-60** | **-62** | **-61** |
| 300 | **598** | **-65** | **-67** | **-66** |
| 301 | **600** | **-68** | **-65** | **-66.5** |
| 302 | **602** | **-65** | **-69** | **-67** |

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| 303 | **604** | **-67** | **-66** | **-66.5** |
| 304 | **606** | **-64** | **-69** | **-66.5** |
| 305 | **608** | **-66** | **-68** | **-67** |
| 306 | **610** | **-65** | **-63** | **-64** |
| 307 | **612** | **-69** | **-68** | **-68.5** |
| 308 | **614** | **-66** | **-67** | **-66.5** |
| 309 | **616** | **-64** | **-68** | **-66** |
| 310 | **618** | **-63** | **-65** | **-64** |
| 311 | **620** | **-64** | **-68** | **-66** |
| 312 | **622** | **-67** | **-69** | **-68** |
| 313 | **624** | **-69** | **-65** | **-67** |
| 314 | **626** | **-69** | **-67** | **-68** |
| 315 | **628** | **-59** | **-62** | **-60.5** |
| 316 | **630** | **-61** | **-65** | **-63** |
| 317 | **632** | **-64** | **-61** | **-62.5** |
| 318 | **634** | **-62** | **-61** | **-61.5** |
| 319 | **636** | **-67** | **-64** | **-65.5** |
| 320 | **638** | **-62** | **-63** | **-62.5** |
| 321 | **640** | **-63** | **-65** | **-64** |
| 322 | **642** | **-64** | **-69** | **-66.5** |
| 323 | **644** | **-63** | **-67** | **-65** |
| 324 | **646** | **-65** | **-61** | **-63** |
| 325 | **648** | **-69** | **-71** | **-70** |
| 326 | **650** | **-64** | **-67** | **-65.5** |
| 327 | **652** | **-62** | **-66** | **-64** |
| 328 | **654** | **-63** | **-61** | **-62** |
| 329 | **656** | **-59** | **-57** | **-58** |
| 330 | **658** | **-67** | **-65** | **-66** |
| 331 | **660** | **-61** | **-62** | **-61.5** |
| 332 | **662** | **-63** | **-66** | **-64.5** |
| 333 | **664** | **-65** | **-68** | **-66.5** |
| 334 | **666** | **-66** | **-69** | **-67.5** |
| 335 | **668** | **-61** | **-66** | **-63.5** |
| 336 | **670** | **-57** | **-61** | **-59** |

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| 337 | **672** | **-65** | **-57** | **-61** |
| 338 | **674** | **-62** | **-65** | **-63.5** |
| 339 | **676** | **-66** | **-62** | **-64** |
| 340 | **678** | **-68** | **-66** | **-67** |
| 341 | **680** | **-69** | **-68** | **-68.5** |
| 342 | **682** | **-66** | **-69** | **-67.5** |
| 343 | **684** | **-61** | **-66** | **-63.5** |
| 344 | **686** | **-60** | **-61** | **-60.5** |
| 345 | **688** | **-65** | **-57** | **-61** |
| 346 | **690** | **-62** | **-65** | **-63.5** |
| 347 | **692** | **-66** | **-62** | **-64** |
| 348 | **694** | **-69** | **-66** | **-67.5** |
| 349 | **696** | **-65** | **-68** | **-66.5** |
| 350 | **698** | **-67** | **-69** | **-68** |
| 351 | **700** | **-69** | **-66** | **-67.5** |
| 352 | **702** | **-68** | **-69** | **-68.5** |
| 353 | **704** | **-67** | **-70** | **-68.5** |
| 354 | **706** | **-65** | **-71** | **-68** |
| 355 | **708** | **-68** | **-69** | **-68.5** |
| 356 | **710** | **-68** | **-65** | **-66.5** |
| 357 | **712** | **-65** | **-67** | **-66** |
| 358 | **714** | **-64** | **-69** | **-66.5** |
| 359 | **716** | **-66** | **-68** | **-67** |
| 360 | **718** | **-68** | **-67** | **-67.5** |
| 361 | **720** | **-66** | **-65** | **-65.5** |
| 362 | **722** | **-69** | **-68** | **-68.5** |
| 363 | **724** | **-67** | **-68** | **-67.5** |
| 364 | **726** | **-63** | **-65** | **-64** |
| 365 | **728** | **-64** | **-64** | **-64** |
| 366 | **730** | **-65** | **-66** | **-65.5** |
| 367 | **732** | **-65** | **-68** | **-66.5** |
| 368 | **734** | **-63** | **-66** | **-64.5** |
| 369 | **736** | **-64** | **-69** | **-66.5** |
| 370 | **738** | **-66** | **-67** | **-66.5** |

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| 371 | **740** | **-65** | **-63** | **-64** |
| 372 | **742** | **-61** | **-64** | **-62.5** |
| 373 | **744** | **-67** | **-65** | **-66** |
| 374 | **746** | **-69** | **-65** | **-67** |
| 375 | **748** | **-66** | **-63** | **-64.5** |
| 376 | **750** | **-62** | **-64** | **-63** |
| 377 | **752** | **-63** | **-66** | **-64.5** |
| 378 | **754** | **-67** | **-65** | **-66** |
| 379 | **756** | **-65** | **-61** | **-63** |
| 380 | **758** | **-67** | **-67** | **-67** |
| 381 | **760** | **-65** | **-69** | **-67** |
| 382 | **762** | **-66** | **-66** | **-66** |
| 383 | **764** | **-67** | **-62** | **-64.5** |
| 384 | **766** | **-65** | **-63** | **-64** |
| 385 | **768** | **-66** | **-67** | **-66.5** |
| 386 | **770** | **-68** | **-68** | **-68** |
| 387 | **772** | **-69** | **-69** | **-69** |
| 388 | **774** | **-68** | **-65** | **-66.5** |
| 389 | **776** | **-70** | **-71** | **-70.5** |
| 390 | **778** | **-69** | **-74** | **-71.5** |
| 391 | **780** | **-73** | **-71** | **-72** |
| 392 | **782** | **-72** | **-75** | **-73.5** |
| 393 | **784** | **-70** | **-74** | **-72** |
| 394 | **786** | **-72** | **-74** | **-73** |
| 395 | **788** | **-75** | **-73** | **-74** |
| 396 | **790** | **-74** | **-71** | **-72.5** |
| 397 | **792** | **-72** | **-74** | **-73** |
| 398 | **794** | **-73** | **-76** | **-74.5** |
| 399 | **796** | **-77** | **-72** | **-74.5** |
| 400 | **798** | **-72** | **-73** | **-72.5** |
| 401 | **800** | **-72** | **-71** | **-71.5** |
| 402 | **802** | **-71** | **-69** | **-70** |
| 403 | **804** | **-72** | **-77** | **-74.5** |
| 404 | **806** | **-74** | **-79** | **-76.5** |

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| 405 | **808** | **-73** | **-74** | **-73.5** |
| 406 | **810** | **-72** | **-72** | **-72** |
| 407 | **812** | **-70** | **-71** | **-70.5** |
| 408 | **814** | **-75** | **-72** | **-73.5** |
| 409 | **816** | **-74** | **-75** | **-74.5** |
| 410 | **818** | **-76** | **-74** | **-75** |
| 411 | **820** | **-71** | **-72** | **-71.5** |
| 412 | **822** | **-75** | **-73** | **-74** |
| 413 | **824** | **-74** | **-77** | **-75.5** |
| 414 | **826** | **-75** | **-70** | **-72.5** |
| 415 | **828** | **-73** | **-72** | **-72.5** |
| 416 | **830** | **-73** | **-71** | **-72** |
| 417 | **832** | **-71** | **-70** | **-70.5** |
| 418 | **834** | **-72** | **-74** | **-73** |
| 419 | **836** | **-68** | **-71** | **-69.5** |
| 420 | **838** | **-69** | **-72** | **-70.5** |
| 421 | **840** | **-70** | **-70** | **-70** |
| 422 | **842** | **-71** | **-74** | **-72.5** |
| 423 | **844** | **-73** | **-71** | **-72** |
| 424 | **846** | **-71** | **-74** | **-72.5** |
| 425 | **848** | **-70** | **-81** | **-75.5** |
| 426 | **850** | **-75** | **-76** | **-75.5** |
| 427 | **852** | **-76** | **-74** | **-75** |
| 428 | **854** | **-76** | **-74** | **-75** |
| 429 | **856** | **-78** | **-73** | **-75.5** |
| 430 | **858** | **-77** | **-71** | **-74** |
| 431 | **860** | **-75** | **-74** | **-74.5** |
| 432 | **862** | **-76** | **-76** | **-76** |
| 433 | **864** | **-76** | **-72** | **-74** |
| 434 | **866** | **-75** | **-73** | **-74** |
| 435 | **868** | **-72** | **-71** | **-71.5** |
| 436 | **870** | **-75** | **-69** | **-72** |
| 437 | **872** | **-77** | **-81** | **-79** |
| 438 | **874** | **-76** | **-79** | **-77.5** |

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| 439 | **876** | **-78** | **-74** | **-76** |
| 440 | **878** | **-79** | **-72** | **-75.5** |
| 441 | **880** | **-75** | **-70** | **-72.5** |
| 442 | **882** | **-76** | **-72** | **-74** |
| 443 | **884** | **-77** | **-75** | **-76** |
| 444 | **886** | **-75** | **-74** | **-74.5** |
| 445 | **888** | **-78** | **-72** | **-75** |
| 446 | **890** | **-75** | **-73** | **-74** |
| 447 | **892** | **-76** | **-77** | **-76.5** |
| 448 | **894** | **-75** | **-72** | **-73.5** |
| 449 | **896** | **-79** | **-72** | **-75.5** |
| 450 | **898** | **-79** | **-71** | **-75** |
| 451 | **900** | **-78** | **-76** | **-77** |
| 452 | **902** | **-78** | **-74** | **-76** |
| 453 | **904** | **-78** | **-73** | **-75.5** |
| 454 | **906** | **-68** | **-68** | **-68** |
| 455 | **908** | **-69** | **-69** | **-69** |
| 456 | **910** | **-68** | **-65** | **-66.5** |
| 457 | **912** | **-70** | **-71** | **-70.5** |
| 458 | **914** | **-69** | **-74** | **-71.5** |
| 459 | **916** | **-73** | **-71** | **-72** |
| 460 | **918** | **-72** | **-75** | **-73.5** |
| 461 | **920** | **-70** | **-74** | **-72** |
| 462 | **922** | **-72** | **-74** | **-73** |
| 463 | **924** | **-75** | **-73** | **-74** |
| 464 | **926** | **-74** | **-71** | **-72.5** |
| 465 | **928** | **-72** | **-74** | **-73** |
| 466 | **930** | **-73** | **-76** | **-74.5** |
| 467 | **932** | **-77** | **-72** | **-74.5** |
| 468 | **934** | **-72** | **-73** | **-72.5** |
| 469 | **936** | **-72** | **-71** | **-71.5** |
| 470 | **938** | **-71** | **-69** | **-70** |
| 471 | **940** | **-72** | **-77** | **-74.5** |
| 472 | **942** | **-74** | **-79** | **-76.5** |

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| 473 | **944** | **-73** | **-74** | **-73.5** |
| 474 | **946** | **-72** | **-72** | **-72** |
| 475 | **948** | **-70** | **-71** | **-70.5** |
| 476 | **950** | **-75** | **-72** | **-73.5** |
| 477 | **952** | **-74** | **-75** | **-74.5** |
| 478 | **954** | **-76** | **-74** | **-75** |
| 479 | **956** | **-71** | **-72** | **-71.5** |
| 480 | **958** | **-75** | **-73** | **-74** |
| 481 | **960** | **-74** | **-77** | **-75.5** |
| 482 | **962** | **-75** | **-70** | **-72.5** |
| 483 | **964** | **-73** | **-72** | **-72.5** |
| 484 | **966** | **-73** | **-71** | **-72** |
| 485 | **968** | **-71** | **-70** | **-70.5** |
| 486 | **970** | **-72** | **-74** | **-73** |
| 487 | **972** | **-68** | **-71** | **-69.5** |
| 488 | **974** | **-69** | **-72** | **-70.5** |
| 489 | **976** | **-70** | **-70** | **-70** |
| 490 | **978** | **-71** | **-74** | **-72.5** |
| 491 | **980** | **-73** | **-71** | **-72** |
| 492 | **982** | **-71** | **-74** | **-72.5** |
| 493 | **984** | **-70** | **-81** | **-75.5** |
| 494 | **986** | **-75** | **-76** | **-75.5** |
| 495 | **988** | **-76** | **-74** | **-75** |
| 496 | **990** | **-76** | **-74** | **-75** |
| 497 | **992** | **-78** | **-73** | **-75.5** |
| 498 | **994** | **-77** | **-71** | **-74** |
| 499 | **996** | **-75** | **-74** | **-74.5** |
| 500 | **998** | **-76** | **-76** | **-76** |
| 501 | **1000** | **-76** | **-72** | **-74** |
| 502 | **1002** | **-75** | **-73** | **-74** |
| 503 | **1004** | **-72** | **-71** | **-71.5** |
| 504 | **1006** | **-75** | **-69** | **-72** |
| 505 | **1008** | **-77** | **-81** | **-79** |
| 506 | **1010** | **-76** | **-79** | **-77.5** |

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| 507 | **1012** | **-78** | **-74** | **-76** |
| 508 | **1014** | **-79** | **-72** | **-75.5** |
| 509 | **1016** | **-75** | **-70** | **-72.5** |
| 510 | **1018** | **-76** | **-72** | **-74** |
| 511 | **1020** | **-77** | **-75** | **-76** |
| 512 | **1022** | **-75** | **-74** | **-74.5** |
| 513 | **1024** | **-78** | **-72** | **-75** |
| 514 | **1026** | **-75** | **-73** | **-74** |
| 515 | **1028** | **-76** | **-77** | **-76.5** |
| 516 | **1030** | **-75** | **-72** | **-73.5** |
| 517 | **1032** | **-79** | **-72** | **-75.5** |
| 518 | **1034** | **-79** | **-71** | **-75** |
| 519 | **1036** | **-78** | **-76** | **-77** |
| 520 | **1038** | **-78** | **-74** | **-76** |
| 521 | **1040** | **-78** | **-73** | **-75.5** |
| 522 | **1042** | **-68** | **-68** | **-68** |
| 523 | **1044** | **-69** | **-69** | **-69** |
| 524 | **1046** | **-68** | **-65** | **-66.5** |
| 525 | **1048** | **-70** | **-71** | **-70.5** |
| 526 | **1050** | **-69** | **-74** | **-71.5** |
| 527 | **1052** | **-73** | **-71** | **-72** |
| 528 | **1054** | **-72** | **-75** | **-73.5** |
| 529 | **1056** | **-70** | **-74** | **-72** |
| 530 | **1058** | **-72** | **-74** | **-73** |
| 531 | **1060** | **-75** | **-73** | **-74** |
| 532 | **1062** | **-74** | **-71** | **-72.5** |
| 533 | **1064** | **-72** | **-74** | **-73** |
| 534 | **1066** | **-73** | **-76** | **-74.5** |
| 535 | **1068** | **-77** | **-72** | **-74.5** |
| 536 | **1070** | **-72** | **-73** | **-72.5** |
| 537 | **1072** | **-72** | **-71** | **-71.5** |
| 538 | **1074** | **-71** | **-69** | **-70** |
| 539 | **1076** | **-72** | **-77** | **-74.5** |
| 540 | **1078** | **-74** | **-79** | **-76.5** |

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| 541 | **1080** | **-73** | **-74** | **-73.5** |
| 542 | **1082** | **-72** | **-72** | **-72** |
| 543 | **1084** | **-70** | **-71** | **-70.5** |
| 544 | **1086** | **-75** | **-72** | **-73.5** |
| 545 | **1088** | **-74** | **-75** | **-74.5** |
| 546 | **1090** | **-76** | **-74** | **-75** |
| 547 | **1092** | **-71** | **-72** | **-71.5** |
| 548 | **1094** | **-75** | **-73** | **-74** |
| 549 | **1096** | **-74** | **-77** | **-75.5** |
| 550 | **1098** | **-75** | **-70** | **-72.5** |
| 551 | **1100** | **-73** | **-72** | **-72.5** |
| 552 | **1102** | **-73** | **-71** | **-72** |
| 553 | **1104** | **-71** | **-70** | **-70.5** |
| 554 | **1106** | **-72** | **-74** | **-73** |
| 555 | **1108** | **-68** | **-71** | **-69.5** |
| 556 | **1110** | **-69** | **-72** | **-70.5** |
| 557 | **1112** | **-70** | **-70** | **-70** |
| 558 | **1114** | **-71** | **-74** | **-72.5** |
| 559 | **1116** | **-73** | **-71** | **-72** |
| 560 | **1118** | **-71** | **-74** | **-72.5** |
| 561 | **1120** | **-70** | **-81** | **-75.5** |
| 562 | **1122** | **-75** | **-76** | **-75.5** |
| 563 | **1124** | **-76** | **-74** | **-75** |
| 564 | **1126** | **-76** | **-74** | **-75** |
| 565 | **1128** | **-78** | **-73** | **-75.5** |
| 566 | **1130** | **-77** | **-71** | **-74** |
| 567 | **1132** | **-75** | **-74** | **-74.5** |
| 568 | **1134** | **-76** | **-76** | **-76** |
| 569 | **1136** | **-76** | **-72** | **-74** |
| 570 | **1138** | **-75** | **-73** | **-74** |
| 571 | **1140** | **-72** | **-71** | **-71.5** |
| 572 | **1142** | **-75** | **-69** | **-72** |
| 573 | **1144** | **-77** | **-81** | **-79** |
| 574 | **1146** | **-76** | **-79** | **-77.5** |

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| 575 | **1148** | **-78** | **-74** | **-76** |
| 576 | **1150** | **-79** | **-72** | **-75.5** |
| 577 | **1152** | **-75** | **-70** | **-72.5** |
| 578 | **1154** | **-76** | **-72** | **-74** |
| 579 | **1156** | **-77** | **-75** | **-76** |
| 580 | **1158** | **-75** | **-74** | **-74.5** |
| 581 | **1160** | **-78** | **-72** | **-75** |
| 582 | **1162** | **-75** | **-73** | **-74** |
| 583 | **1164** | **-76** | **-77** | **-76.5** |
| 584 | **1166** | **-75** | **-72** | **-73.5** |
| 585 | **1168** | **-79** | **-72** | **-75.5** |
| 586 | **1170** | **-79** | **-71** | **-75** |
| 587 | **1172** | **-78** | **-76** | **-77** |
| 588 | **1174** | **-78** | **-74** | **-76** |
| 589 | **1176** | **-78** | **-73** | **-75.5** |
| 590 | **1178** | **-68** | **-68** | **-68** |
| 591 | **1180** | **-69** | **-69** | **-69** |
| 592 | **1182** | **-68** | **-65** | **-66.5** |
| 593 | **1184** | **-70** | **-71** | **-70.5** |
| 594 | **1186** | **-69** | **-74** | **-71.5** |
| 595 | **1188** | **-73** | **-71** | **-72** |
| 596 | **1190** | **-72** | **-75** | **-73.5** |
| 597 | **1192** | **-70** | **-74** | **-72** |
| 598 | **1194** | **-72** | **-74** | **-73** |
| 599 | **1196** | **-75** | **-73** | **-74** |
| 600 | **1198** | **-74** | **-71** | **-72.5** |
| 601 | **1200** | **-72** | **-74** | **-73** |
| 602 | **1202** | **-73** | **-76** | **-74.5** |
| 603 | **1204** | **-77** | **-72** | **-74.5** |
| 604 | **1206** | **-72** | **-73** | **-72.5** |
| 605 | **1208** | **-72** | **-71** | **-71.5** |
| 606 | **1210** | **-71** | **-69** | **-70** |
| 607 | **1212** | **-72** | **-77** | **-74.5** |
| 608 | **1214** | **-74** | **-79** | **-76.5** |

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| 609 | **1216** | **-73** | **-74** | **-73.5** |
| 610 | **1218** | **-72** | **-72** | **-72** |
| 611 | **1220** | **-70** | **-71** | **-70.5** |
| 612 | **1222** | **-75** | **-72** | **-73.5** |
| 613 | **1224** | **-74** | **-75** | **-74.5** |
| 614 | **1226** | **-76** | **-74** | **-75** |
| 615 | **1228** | **-71** | **-72** | **-71.5** |
| 616 | **1230** | **-75** | **-73** | **-74** |
| 617 | **1232** | **-74** | **-77** | **-75.5** |
| 618 | **1234** | **-75** | **-70** | **-72.5** |
| 619 | **1236** | **-73** | **-72** | **-72.5** |
| 620 | **1238** | **-73** | **-71** | **-72** |
| 621 | **1240** | **-71** | **-70** | **-70.5** |
| 622 | **1242** | **-72** | **-74** | **-73** |
| 623 | **1244** | **-68** | **-71** | **-69.5** |
| 624 | **1246** | **-69** | **-72** | **-70.5** |
| 625 | **1248** | **-70** | **-70** | **-70** |
| 626 | **1250** | **-71** | **-74** | **-72.5** |
| 627 | **1252** | **-73** | **-71** | **-72** |
| 628 | **1254** | **-71** | **-74** | **-72.5** |
| 629 | **1256** | **-70** | **-81** | **-75.5** |
| 630 | **1258** | **-75** | **-76** | **-75.5** |
| 631 | **1260** | **-76** | **-74** | **-75** |
| 632 | **1262** | **-76** | **-74** | **-75** |
| 633 | **1264** | **-78** | **-73** | **-75.5** |
| 634 | **1266** | **-77** | **-71** | **-74** |
| 635 | **1268** | **-75** | **-74** | **-74.5** |
| 636 | **1270** | **-76** | **-76** | **-76** |
| 637 | **1272** | **-76** | **-72** | **-74** |
| 638 | **1274** | **-75** | **-73** | **-74** |
| 639 | **1276** | **-72** | **-71** | **-71.5** |
| 640 | **1278** | **-75** | **-69** | **-72** |
| 641 | **1280** | **-77** | **-81** | **-79** |
| 642 | **1282** | **-76** | **-79** | **-77.5** |

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| 643 | **1284** | **-78** | **-74** | **-76** |
| 644 | **1286** | **-77** | **-72** | **-74.5** |
| 645 | **1288** | **-75** | **-70** | **-72.5** |
| 646 | **1290** | **-76** | **-72** | **-74** |
| 647 | **1292** | **-77** | **-75** | **-76** |
| 648 | **1294** | **-75** | **-74** | **-74.5** |
| 649 | **1296** | **-78** | **-72** | **-75** |
| 650 | **1298** | **-75** | **-73** | **-74** |
| 651 | **1300** | **-76** | **-77** | **-76.5** |
| 652 | **1302** | **-76** | **-72** | **-74** |
| 653 | **1304** | **-73** | **-72** | **-72.5** |
| 654 | **1306** | **-74** | **-71** | **-72.5** |
| 655 | **1308** | **-77** | **-76** | **-76.5** |
| 656 | **1310** | **-75** | **-74** | **-74.5** |
| 657 | **1312** | **-72** | **-73** | **-72.5** |
| 658 | **1314** | **-68** | **-71** | **-69.5** |
| 659 | **1316** | **-69** | **-72** | **-70.5** |
| 660 | **1318** | **-72** | **-75** | **-73.5** |
| 661 | **1320** | **-70** | **-71** | **-70.5** |
| 662 | **1322** | **-69** | **-74** | **-71.5** |
| 663 | **1324** | **-73** | **-71** | **-72** |
| 664 | **1326** | **-72** | **-75** | **-73.5** |
| 665 | **1328** | **-70** | **-74** | **-72** |
| 666 | **1330** | **-72** | **-74** | **-73** |
| 667 | **1332** | **-75** | **-73** | **-74** |
| 668 | **1334** | **-74** | **-71** | **-72.5** |
| 669 | **1336** | **-72** | **-74** | **-73** |
| 670 | **1338** | **-73** | **-76** | **-74.5** |
| 671 | **1340** | **-77** | **-72** | **-74.5** |
| 672 | **1342** | **-72** | **-73** | **-72.5** |
| 673 | **1344** | **-72** | **-71** | **-71.5** |
| 674 | **1346** | **-71** | **-69** | **-70** |
| 675 | **1348** | **-72** | **-77** | **-74.5** |
| 676 | **1350** | **-74** | **-79** | **-76.5** |

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| 677 | **1352** | **-73** | **-74** | **-73.5** |
| 678 | **1354** | **-72** | **-72** | **-72** |
| 679 | **1356** | **-70** | **-71** | **-70.5** |
| 680 | **1358** | **-75** | **-72** | **-73.5** |
| 681 | **1360** | **-74** | **-75** | **-74.5** |
| 682 | **1362** | **-76** | **-74** | **-75** |
| 683 | **1364** | **-71** | **-72** | **-71.5** |
| 684 | **1366** | **-75** | **-73** | **-74** |
| 685 | **1368** | **-74** | **-77** | **-75.5** |
| 686 | **1370** | **-75** | **-70** | **-72.5** |
| 687 | **1372** | **-73** | **-72** | **-72.5** |
| 688 | **1374** | **-73** | **-71** | **-72** |
| 689 | **1376** | **-71** | **-70** | **-70.5** |
| 690 | **1378** | **-72** | **-74** | **-73** |
| 691 | **1380** | **-73** | **-71** | **-72** |
| 692 | **1382** | **-69** | **-72** | **-70.5** |
| 693 | **1384** | **-70** | **-70** | **-70** |
| 694 | **1386** | **-71** | **-74** | **-72.5** |
| 695 | **1388** | **-73** | **-71** | **-72** |
| 696 | **1390** | **-71** | **-74** | **-72.5** |
| 697 | **1392** | **-70** | **-81** | **-75.5** |
| 698 | **1394** | **-75** | **-76** | **-75.5** |
| 699 | **1396** | **-76** | **-74** | **-75** |
| 700 | **1398** | **-76** | **-74** | **-75** |
| 701 | **1400** | **-78** | **-73** | **-75.5** |
| 702 | **1402** | **-77** | **-71** | **-74** |
| 703 | **1404** | **-75** | **-74** | **-74.5** |
| 704 | **1406** | **-76** | **-76** | **-76** |
| 705 | **1408** | **-76** | **-72** | **-74** |
| 706 | **1410** | **-75** | **-73** | **-74** |
| 707 | **1412** | **-72** | **-71** | **-71.5** |
| 708 | **1414** | **-75** | **-69** | **-72** |
| 709 | **1416** | **-77** | **-81** | **-79** |
| 710 | **1418** | **-76** | **-79** | **-77.5** |

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| 711 | **1420** | **-78** | **-74** | **-76** |
| 712 | **1422** | **-79** | **-72** | **-75.5** |
| 713 | **1424** | **-75** | **-70** | **-72.5** |
| 714 | **1426** | **-76** | **-72** | **-74** |
| 715 | **1428** | **-77** | **-75** | **-76** |
| 716 | **1430** | **-75** | **-74** | **-74.5** |
| 717 | **1432** | **-78** | **-72** | **-75** |
| 718 | **1434** | **-75** | **-73** | **-74** |
| 719 | **1436** | **-76** | **-77** | **-76.5** |
| 720 | **1438** | **-75** | **-72** | **-73.5** |
| 721 | **1440** | **-79** | **-72** | **-75.5** |
| 722 | **1442** | **-79** | **-71** | **-75** |
| 723 | **1444** | **-78** | **-76** | **-77** |
| 724 | **1446** | **-78** | **-74** | **-76** |
| 725 | **1448** | **-78** | **-73** | **-75.5** |
| 726 | **1450** | **-68** | **-68** | **-68** |
| 727 | **1452** | **-69** | **-69** | **-69** |
| 728 | **1454** | **-70** | **-74** | **-72** |
| 729 | **1456** | **-70** | **-71** | **-70.5** |
| 730 | **1458** | **-69** | **-73** | **-71** |
| 731 | **1460** | **-73** | **-71** | **-72** |
| 732 | **1462** | **-72** | **-75** | **-73.5** |
| 733 | **1464** | **-70** | **-74** | **-72** |
| 734 | **1466** | **-72** | **-74** | **-73** |
| 735 | **1468** | **-75** | **-73** | **-74** |
| 736 | **1470** | **-74** | **-71** | **-72.5** |
| 737 | **1472** | **-72** | **-74** | **-73** |
| 738 | **1474** | **-73** | **-76** | **-74.5** |
| 739 | **1476** | **-77** | **-72** | **-74.5** |
| 740 | **1478** | **-72** | **-73** | **-72.5** |
| 741 | **1480** | **-72** | **-71** | **-71.5** |
| 742 | **1482** | **-71** | **-69** | **-70** |
| 743 | **1484** | **-72** | **-77** | **-74.5** |
| 744 | **1486** | **-74** | **-79** | **-76.5** |

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| 745 | **1488** | **-73** | **-74** | **-73.5** |
| 746 | **1490** | **-72** | **-72** | **-72** |
| 747 | **1492** | **-70** | **-71** | **-70.5** |
| 748 | **1494** | **-75** | **-72** | **-73.5** |
| 749 | **1496** | **-74** | **-75** | **-74.5** |
| 750 | **1498** | **-76** | **-74** | **-75** |
| 751 | **1500** | **-71** | **-72** | **-71.5** |
| 752 | **1502** | **-75** | **-78** | **-76.5** |
| 753 | **1504** | **-74** | **-77** | **-75.5** |
| 754 | **1506** | **-78** | **-75** | **-76.5** |
| 755 | **1508** | **-77** | **-79** | **-78** |
| 756 | **1510** | **-73** | **-77** | **-75** |
| 757 | **1512** | **-73** | **-75** | **-74** |
| 758 | **1514** | **-78** | **-78** | **-78** |
| 759 | **1516** | **-75** | **-75** | **-75** |
| 760 | **1518** | **-76** | **-74** | **-75** |
| 761 | **1520** | **-78** | **-76** | **-77** |
| 762 | **1522** | **-77** | **-72** | **-74.5** |
| 763 | **1524** | **-75** | **-75** | **-75** |
| 764 | **1526** | **-79** | **-74** | **-76.5** |
| 765 | **1528** | **-77** | **-78** | **-77.5** |
| 766 | **1530** | **-75** | **-77** | **-76** |
| 767 | **1532** | **-78** | **-73** | **-75.5** |
| 768 | **1534** | **-73** | **-73** | **-73** |
| 769 | **1536** | **-75** | **-76** | **-75.5** |
| 770 | **1538** | **-76** | **-74** | **-75** |
| 771 | **1540** | **-79** | **-73** | **-76** |
| 772 | **1542** | **-80** | **-72** | **-76** |
| 773 | **1544** | **-79** | **-70** | **-74.5** |
| 774 | **1546** | **-80** | **-75** | **-77.5** |
| 775 | **1548** | **-79** | **-74** | **-76.5** |
| 776 | **1550** | **-74** | **-71** | **-72.5** |
| 777 | **1552** | **-72** | **-74** | **-73** |
| 778 | **1554** | **-73** | **-76** | **-74.5** |

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| 779 | **1556** | **-77** | **-72** | **-74.5** |
| 780 | **1558** | **-72** | **-73** | **-72.5** |
| 781 | **1560** | **-72** | **-71** | **-71.5** |
| 782 | **1562** | **-71** | **-69** | **-70** |
| 783 | **1564** | **-72** | **-77** | **-74.5** |
| 784 | **1566** | **-74** | **-79** | **-76.5** |
| 785 | **1568** | **-73** | **-74** | **-73.5** |
| 786 | **1570** | **-72** | **-72** | **-72** |
| 787 | **1572** | **-70** | **-71** | **-70.5** |
| 788 | **1574** | **-75** | **-72** | **-73.5** |
| 789 | **1576** | **-74** | **-75** | **-74.5** |
| 790 | **1578** | **-76** | **-74** | **-75** |
| 791 | **1580** | **-71** | **-72** | **-71.5** |
| 792 | **1582** | **-75** | **-78** | **-76.5** |
| 793 | **1584** | **-74** | **-77** | **-75.5** |
| 794 | **1586** | **-78** | **-75** | **-76.5** |
| 795 | **1588** | **-77** | **-79** | **-78** |
| 796 | **1590** | **-74** | **-71** | **-72.5** |
| 797 | **1592** | **-72** | **-74** | **-73** |
| 798 | **1594** | **-73** | **-76** | **-74.5** |
| 799 | **1596** | **-77** | **-72** | **-74.5** |
| 800 | **1598** | **-72** | **-73** | **-72.5** |
| 801 | **1600** | **-72** | **-71** | **-71.5** |
| 802 | **1602** | **-71** | **-69** | **-70** |
| 803 | **1604** | **-72** | **-77** | **-74.5** |
| 804 | **1606** | **-74** | **-79** | **-76.5** |
| 805 | **1608** | **-73** | **-74** | **-73.5** |
| 806 | **1610** | **-74** | **-71** | **-72.5** |
| 807 | **1612** | **-72** | **-74** | **-73** |
| 808 | **1614** | **-73** | **-76** | **-74.5** |
| 809 | **1616** | **-77** | **-72** | **-74.5** |
| 810 | **1618** | **-72** | **-73** | **-72.5** |
| 811 | **1620** | **-72** | **-71** | **-71.5** |
| 812 | **1622** | **-71** | **-69** | **-70** |

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| 813 | **1624** | **-72** | **-77** | **-74.5** |
| 814 | **1626** | **-74** | **-79** | **-76.5** |
| 815 | **1628** | **-73** | **-74** | **-73.5** |
| 816 | **1630** | **-72** | **-72** | **-72** |
| 817 | **1632** | **-70** | **-71** | **-70.5** |
| 818 | **1634** | **-75** | **-72** | **-73.5** |
| 819 | **1636** | **-74** | **-75** | **-74.5** |
| 820 | **1638** | **-76** | **-74** | **-75** |
| 821 | **1640** | **-71** | **-72** | **-71.5** |
| 822 | **1642** | **-75** | **-78** | **-76.5** |
| 823 | **1644** | **-74** | **-77** | **-75.5** |
| 824 | **1646** | **-78** | **-75** | **-76.5** |
| 825 | **1648** | **-77** | **-79** | **-78** |
| 826 | **1650** | **-73** | **-77** | **-75** |
| 827 | **1652** | **-73** | **-75** | **-74** |
| 828 | **1654** | **-78** | **-78** | **-78** |
| 829 | **1656** | **-75** | **-75** | **-75** |
| 830 | **1658** | **-76** | **-74** | **-75** |
| 831 | **1660** | **-78** | **-76** | **-77** |
| 832 | **1662** | **-77** | **-72** | **-74.5** |
| 833 | **1664** | **-75** | **-75** | **-75** |
| 834 | **1666** | **-79** | **-74** | **-76.5** |
| 835 | **1668** | **-77** | **-78** | **-77.5** |
| 836 | **1670** | **-75** | **-77** | **-76** |
| 837 | **1672** | **-78** | **-73** | **-75.5** |
| 838 | **1674** | **-73** | **-73** | **-73** |
| 839 | **1676** | **-75** | **-76** | **-75.5** |
| 840 | **1678** | **-76** | **-74** | **-75** |
| 841 | **1680** | **-79** | **-73** | **-76** |
| 842 | **1682** | **-74** | **-71** | **-72.5** |
| 843 | **1684** | **-72** | **-74** | **-73** |
| 844 | **1686** | **-73** | **-76** | **-74.5** |
| 845 | **1688** | **-77** | **-72** | **-74.5** |
| 846 | **1690** | **-72** | **-73** | **-72.5** |

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| 847 | **1692** | **-72** | **-71** | **-71.5** |
| 848 | **1694** | **-71** | **-69** | **-70** |
| 849 | **1696** | **-72** | **-77** | **-74.5** |
| 850 | **1698** | **-74** | **-79** | **-76.5** |
| 851 | **1700** | **-73** | **-74** | **-73.5** |
| 852 | **1702** | **-72** | **-72** | **-72** |
| 853 | **1704** | **-70** | **-71** | **-70.5** |
| 854 | **1706** | **-75** | **-72** | **-73.5** |
| 855 | **1708** | **-74** | **-75** | **-74.5** |
| 856 | **1710** | **-76** | **-74** | **-75** |
| 857 | **1712** | **-71** | **-72** | **-71.5** |
| 858 | **1714** | **-75** | **-78** | **-76.5** |
| 859 | **1716** | **-74** | **-77** | **-75.5** |
| 860 | **1718** | **-78** | **-75** | **-76.5** |
| 861 | **1720** | **-77** | **-79** | **-78** |
| 862 | **1722** | **-74** | **-71** | **-72.5** |
| 863 | **1724** | **-72** | **-74** | **-73** |
| 864 | **1726** | **-73** | **-76** | **-74.5** |
| 865 | **1728** | **-77** | **-72** | **-74.5** |
| 866 | **1730** | **-74** | **-71** | **-72.5** |
| 867 | **1732** | **-72** | **-74** | **-73** |
| 868 | **1734** | **-73** | **-76** | **-74.5** |
| 869 | **1736** | **-77** | **-72** | **-74.5** |
| 870 | **1738** | **-72** | **-73** | **-72.5** |
| 871 | **1740** | **-72** | **-71** | **-71.5** |
| 872 | **1742** | **-71** | **-69** | **-70** |
| 873 | **1744** | **-72** | **-77** | **-74.5** |
| 874 | **1746** | **-74** | **-79** | **-76.5** |
| 875 | **1748** | **-73** | **-74** | **-73.5** |
| 876 | **1750** | **-74** | **-71** | **-72.5** |
| 877 | **1752** | **-72** | **-74** | **-73** |
| 878 | **1754** | **-73** | **-76** | **-74.5** |
| 879 | **1756** | **-77** | **-72** | **-74.5** |
| 880 | **1758** | **-72** | **-73** | **-72.5** |

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| 881 | **1760** | **-72** | **-71** | **-71.5** |
| 882 | **1762** | **-71** | **-69** | **-70** |
| 883 | **1764** | **-72** | **-77** | **-74.5** |
| 884 | **1766** | **-74** | **-79** | **-76.5** |
| 885 | **1768** | **-73** | **-74** | **-73.5** |
| 886 | **1770** | **-72** | **-72** | **-72** |
| 887 | **1772** | **-70** | **-71** | **-70.5** |
| 888 | **1774** | **-75** | **-72** | **-73.5** |
| 889 | **1776** | **-74** | **-75** | **-74.5** |
| 890 | **1778** | **-76** | **-74** | **-75** |
| 891 | **1780** | **-71** | **-72** | **-71.5** |
| 892 | **1782** | **-75** | **-78** | **-76.5** |
| 893 | **1784** | **-74** | **-77** | **-75.5** |
| 894 | **1786** | **-78** | **-75** | **-76.5** |
| 895 | **1788** | **-77** | **-79** | **-78** |
| 896 | **1790** | **-73** | **-77** | **-75** |
| 897 | **1792** | **-73** | **-75** | **-74** |
| 898 | **1794** | **-78** | **-78** | **-78** |
| 899 | **1796** | **-75** | **-75** | **-75** |
| 900 | **1798** | **-76** | **-74** | **-75** |
| 901 | **1800** | **-78** | **-76** | **-77** |
| 902 | **1802** | **-77** | **-72** | **-74.5** |
| 903 | **1804** | **-75** | **-75** | **-75** |
| 904 | **1806** | **-80** | **-76** | **-78** |
| 905 | **1808** | **-79** | **-71** | **-75** |
| 906 | **1810** | **-80** | **-75** | **-77.5** |
| 907 | **1812** | **-82** | **-74** | **-78** |
| 908 | **1814** | **-81** | **-78** | **-79.5** |
| 909 | **1816** | **-81** | **-83** | **-82** |
| 910 | **1818** | **-85** | **-84** | **-84.5** |
| 911 | **1820** | **-87** | **-82** | **-84.5** |
| 912 | **1822** | **-82** | **-84** | **-83** |
| 913 | **1824** | **-83** | **-82** | **-82.5** |
| 914 | **1826** | **-84** | **-83** | **-83.5** |

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| 915 | **1828** | **-82** | **-84** | **-83** |
| 916 | **1830** | **-84** | **-81** | **-82.5** |
| 917 | **1832** | **-82** | **-85** | **-83.5** |
| 918 | **1834** | **-83** | **-86** | **-84.5** |
| 919 | **1836** | **-84** | **-87** | **-85.5** |
| 920 | **1838** | **-81** | **-85** | **-83** |
| 921 | **1840** | **-85** | **-85** | **-85** |
| 922 | **1842** | **-86** | **-88** | **-87** |
| 923 | **1844** | **-87** | **-85** | **-86** |
| 924 | **1846** | **-85** | **-89** | **-87** |
| 925 | **1848** | **-85** | **-86** | **-85.5** |
| 926 | **1850** | **-88** | **-86** | **-87** |
| 927 | **1852** | **-85** | **-87** | **-86** |
| 928 | **1854** | **-89** | **-79** | **-84** |
| 929 | **1856** | **-86** | **-87** | **-86.5** |
| 930 | **1858** | **-86** | **-90** | **-88** |
| 931 | **1860** | **-87** | **-84** | **-85.5** |
| 932 | **1862** | **-79** | **-88** | **-83.5** |
| 933 | **1864** | **-87** | **-89** | **-88** |
| 934 | **1866** | **-90** | **-81** | **-85.5** |
| 935 | **1868** | **-84** | **-82** | **-83** |
| 936 | **1870** | **-88** | **-84** | **-86** |
| 937 | **1872** | **-89** | **-85** | **-87** |
| 938 | **1874** | **-81** | **-86** | **-83.5** |
| 939 | **1876** | **-82** | **-85** | **-83.5** |
| 940 | **1878** | **-84** | **-84** | **-84** |
| 941 | **1880** | **-85** | **-84** | **-84.5** |
| 942 | **1882** | **-86** | **-84** | **-85** |
| 943 | **1884** | **-85** | **-81** | **-83** |
| 944 | **1886** | **-84** | **-82** | **-83** |
| 945 | **1888** | **-84** | **-86** | **-85** |
| 946 | **1890** | **-84** | **-83** | **-83.5** |
| 947 | **1892** | **-81** | **-82** | **-81.5** |
| 948 | **1894** | **-82** | **-81** | **-81.5** |

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| 949 | **1896** | **-86** | **-89** | **-87.5** |
| 950 | **1898** | **-83** | **-83** | **-83** |
| 951 | **1900** | **-82** | **-82** | **-82** |
| 952 | **1902** | **-81** | **-87** | **-84** |
| 953 | **1904** | **-89** | **-83** | **-86** |
| 954 | **1906** | **-83** | **-82** | **-82.5** |
| 955 | **1908** | **-82** | **-83** | **-82.5** |
| 956 | **1910** | **-87** | **-84** | **-85.5** |
| 957 | **1912** | **-83** | **-85** | **-84** |
| 958 | **1914** | **-82** | **-82** | **-82** |
| 959 | **1916** | **-83** | **-84** | **-83.5** |
| 960 | **1918** | **-84** | **-85** | **-84.5** |
| 961 | **1920** | **-85** | **-79** | **-82** |
| 962 | **1922** | **-82** | **-78** | **-80** |
| 963 | **1924** | **-84** | **-80** | **-82** |
| 964 | **1926** | **-85** | **-83** | **-84** |
| 965 | **1928** | **-79** | **-83** | **-81** |
| 966 | **1930** | **-78** | **-85** | **-81.5** |
| 967 | **1932** | **-80** | **-87** | **-83.5** |
| 968 | **1934** | **-83** | **-84** | **-83.5** |
| 969 | **1936** | **-83** | **-84** | **-83.5** |
| 970 | **1938** | **-85** | **-85** | **-85** |
| 971 | **1940** | **-87** | **-85** | **-86** |
| 972 | **1942** | **-84** | **-89** | **-86.5** |
| 973 | **1944** | **-84** | **-83** | **-83.5** |
| 974 | **1946** | **-85** | **-86** | **-85.5** |
| 975 | **1948** | **-85** | **-85** | **-85** |
| 976 | **1950** | **-89** | **-84** | **-86.5** |
| 977 | **1952** | **-83** | **-82** | **-82.5** |
| 978 | **1954** | **-86** | **-83** | **-84.5** |
| 979 | **1956** | **-85** | **-85** | **-85** |
| 980 | **1958** | **-84** | **-84** | **-84** |
| 981 | **1960** | **-82** | **-85** | **-83.5** |
| 982 | **1962** | **-83** | **-86** | **-84.5** |

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| 983 | **1964** | **-85** | **-83** | **-84** |
| 984 | **1966** | **-84** | **-84** | **-84** |
| 985 | **1968** | **-85** | **-81** | **-83** |
| 986 | **1970** | **-86** | **-83** | **-84.5** |
| 987 | **1972** | **-83** | **-82** | **-82.5** |
| 988 | **1974** | **-84** | **-83** | **-83.5** |
| 989 | **1976** | **-81** | **-84** | **-82.5** |
| 990 | **1978** | **-83** | **-82** | **-82.5** |
| 991 | **1980** | **-82** | **-84** | **-83** |
| 992 | **1982** | **-83** | **-82** | **-82.5** |
| 993 | **1984** | **-85** | **-83** | **-84** |
| 994 | **1986** | **-80** | **-76** | **-78** |
| 995 | **1988** | **-79** | **-71** | **-75** |
| 996 | **1990** | **-80** | **-75** | **-77.5** |
| 997 | **1992** | **-82** | **-74** | **-78** |
| 998 | **1994** | **-81** | **-78** | **-79.5** |
| 999 | **1996** | **-81** | **-83** | **-82** |
| 1000 | **1998** | **-85** | **-84** | **-84.5** |
| 1001 | **2000** | **-87** | **-82** | **-84.5** |