RAssignment

Group7

2024-06-14

```
# Load necessary libraries
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
       filter, lag
##
## The following objects are masked from 'package:base':
##
##
       intersect, setdiff, setequal, union
library(ggplot2)
library(readxl)
# 1. Load the dataset
# Description: Load the dataset from the specified file path.
file path <- "C:/Users/acer/OneDrive/Desktop/2nd Semester/R</pre>
Programming/Assignment/File/dataset.xlsx"
dataset <- read_excel(file_path, sheet = "Worksheet")</pre>
# 2. Print the structure of your dataset
# Description: Print the structure of the dataset to understand its format
and variables.
cat("2. Structure of the dataset:\n")
## 2. Structure of the dataset:
str(dataset)
## tibble [980 x 26] (S3: tbl_df/tbl/data.frame)
## $ brand_name
                               : chr [1:980] "oneplus" "oneplus" "samsung"
"motorola" ...
                               : chr [1:980] "OnePlus 11 5G" "OnePlus Nord CE
## $ model
2 Lite 5G" "Samsung Galaxy A14 5G" "Motorola Moto G62 5G" ...
                               : num [1:980] 54999 19989 16499 14999 24999
## $ price
## $ rating
                               : num [1:980] 89 81 75 81 82 80 81 86 85 84
                               : chr [1:980] "True" "True" "True" "True" ...
## $ has 5g
                               : chr [1:980] "True" "False" "False" "False"
## $ has_nfc
```

```
. . .
                              : chr [1:980] "False" "False" "False" "False"
## $ has ir blaster
                              : chr [1:980] "snapdragon" "snapdragon"
## $ processor_brand
"exynos" "snapdragon" ...
                              : num [1:980] 8 8 8 8 8 8 6 8 8 8 ...
## $ num_cores
## $ processor_speed
                              : num [1:980] 3.2 2.2 2.4 2.2 2.6 2.2 3.22 2.6
2.5 3 ...
## $ battery_capacity : num [1:980] 5000 5000 5000 5000 ...
## $ fast_charging_available : num [1:980] 1 1 1 1 1 1 1 1 1 1 ...
## $ fast_charging
                              : num [1:980] 100 33 15 NA 67 25 NA 120 33 80
## $ ram_capacity
                              : num [1:980] 12 6 4 6 6 6 6 8 8 8 ...
## $ internal_memory
                              : num [1:980] 256 128 64 128 128 128 128 256
128 128 ...
                             : num [1:980] 6.7 6.59 6.6 6.55 6.7 6.6 6.1
## $ screen_size
6.67 6.55 6.43 ...
## $ refresh rate
                             : num [1:980] 120 120 90 120 120 120 60 120
120 90 ...
## $ num_rear_cameras : num [1:980] 3 3 3 3 3 3 2 3 2 3 ...
## $ num front cameras
                             : num [1:980] 1 1 1 1 1 1 1 1 1 1 ...
## $ os
                              : chr [1:980] "android" "android" "android"
"android" ...
## $ primary_camera_rear : num [1:980] 50 64 50 50 108 50 12 200 50 50
## $ primary_camera_front : num [1:980] 16 16 13 16 16 8 12 16 16 32 ...
## $ extended_memory_available: num [1:980] 0 1 1 1 0 1 0 0 0 0 ...
## $ extended_upto
                             : num [1:980] NA 1024 1024 1024 NA ...
## $ resolution width
                             : num [1:980] 1440 1080 1080 1080 1080 1080
1170 1080 1080 1080 ...
                          : num [1:980] 3216 2412 2408 2400 2412 ...
## $ resolution_height
# 3. List the variables in your dataset
# Description: List all the variables present in the dataset.
cat("3. Variables in the dataset:\n")
## 3. Variables in the dataset:
print(names(dataset))
## [1] "brand_name"
                                   "model"
## [3] "price"
                                   "rating"
## [5] "has_5g"
                                   "has nfc"
## [7] "has_ir_blaster"
                                   "processor_brand"
## [9] "num_cores"
                                   "processor_speed"
## [11] "battery_capacity"
                                   "fast_charging_available"
## [13] "fast_charging"
                                   "ram_capacity"
## [15] "internal_memory"
                                   "screen size"
## [17] "refresh_rate"
                                   "num_rear_cameras"
## [19] "num_front_cameras"
                                   "os"
## [21] "primary_camera_rear"
                                   "primary_camera_front"
```

```
## [23] "extended memory available" "extended upto"
## [25] "resolution width"
                                     "resolution height"
# 4. Print the top 15 rows of your dataset
# Description: Display the top 15 rows of the dataset to get an overview of
the data.
cat("4. Top 15 rows of the dataset:\n")
## 4. Top 15 rows of the dataset:
print(head(dataset, 15))
## # A tibble: 15 × 26
                         price rating has 5g has nfc has ir blaster
      brand name model
processor brand
                                 <dbl> <chr>
##
                 <chr>>
                         <dbl>
                                              <chr>>
                                                      <chr>>
                                                                      <chr>>
      <chr>>
## 1 oneplus
                 OnePl... 54999
                                    89 True
                                              True
                                                      False
snapdragon
## 2 oneplus
                 OnePl... 19989
                                    81 True
                                              False
                                                      False
snapdragon
## 3 samsung
                 Samsu... 16499
                                    75 True
                                              False
                                                      False
                                                                      exynos
## 4 motorola
                                    81 True
                 Motor... 14999
                                              False
                                                      False
snapdragon
                                    82 True
## 5 realme
                 Realm... 24999
                                              False
                                                      False
                                                                      dimensity
                                                      False
                                    80 True
## 6 samsung
                 Samsu... 16999
                                              True
snapdragon
                 Apple... 65999
                                    81 True
                                              True
                                                      False
                                                                      bionic
## 7 apple
                 Xiaom... 29999
                                    86 True
                                              False
                                                                      dimensity
## 8 xiaomi
                                                      True
## 9 nothing
                 Nothi... 26749
                                    85 True
                                              True
                                                      False
snapdragon
                 OneP1... 28999
                                    84 True
                                              True
                                                      False
## 10 oneplus
                                                                      dimensity
## 11 realme
                 Realm... 18999
                                    82 True
                                              False
                                                      False
snapdragon
                                    79 True
                                              True
## 12 oppo
                 Oppo ... 18999
                                                      False
                                                                      dimensity
## 13 xiaomi
                 Xiaom... 24762
                                    79 True
                                              False
                                                      True
                                                                      dimensity
## 14 vivo
                 Vivo ... 16990
                                    80 True
                                              False
                                                      False
snapdragon
## 15 samsung
                 Samsu... 114990
                                    NA True
                                              True
                                                      False
snapdragon
## # i 18 more variables: num cores <dbl>, processor speed <dbl>,
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
## #
<dbl>,
## #
       ram_capacity <dbl>, internal_memory <dbl>, screen_size <dbl>,
       refresh_rate <dbl>, num_rear_cameras <dbl>, num_front_cameras <dbl>,
## #
       os <chr>, primary_camera_rear <dbl>, primary_camera_front <dbl>,
## #
## #
       extended_memory_available <dbl>, extended_upto <dbl>,
## #
       resolution_width <dbl>, resolution_height <dbl>
# 5. Write a user-defined function using any of the variables from the
dataset
# Description: Define a function to calculate the discounted price of a phone
```

```
based on a discount rate.
discounted price <- function(price, discount rate) {</pre>
  return(price - (price * discount_rate / 100))
}
# 6. Use data manipulation techniques and filter rows based on any logical
criteria that exist in your dataset
# Description: Filter the dataset to include only phones with price > 500 and
rating > 75.
filtered dataset <- dataset %>% filter(price > 500, rating > 75)
cat("6. Filtered dataset (phones with price > 500 and rating > 75):\n")
## 6. Filtered dataset (phones with price > 500 and rating > 75):
print(filtered dataset)
## # A tibble: 596 × 26
      brand name model
                         price rating has 5g has nfc has ir blaster
processor brand
                         <dbl> <dbl> <chr>
##
      <chr>
                 <chr>
                                             <chr>
                                                      <chr>>
                                                                     <chr>>
                 OnePlu... 54999
## 1 oneplus
                                   89 True
                                             True
                                                      False
snapdragon
                 OnePlu... 19989
## 2 oneplus
                                   81 True
                                             False
                                                      False
snapdragon
                 Motoro... 14999
## 3 motorola
                                   81 True
                                             False
                                                      False
snapdragon
## 4 realme
                 Realme... 24999
                                   82 True
                                             False
                                                      False
                                                                     dimensity
                 Samsun... 16999
## 5 samsung
                                   80 True
                                             True
                                                      False
snapdragon
## 6 apple
                 Apple ... 65999
                                   81 True
                                             True
                                                      False
                                                                     bionic
## 7 xiaomi
                 Xiaomi... 29999
                                   86 True
                                             False
                                                      True
                                                                     dimensity
                 Nothin... 26749
                                   85 True
## 8 nothing
                                             True
                                                      False
snapdragon
                 OnePlu... 28999
## 9 oneplus
                                   84 True
                                             True
                                                      False
                                                                     dimensity
## 10 realme
                 Realme... 18999
                                   82 True
                                             False
                                                      False
snapdragon
## # i 586 more rows
## # i 18 more variables: num_cores <dbl>, processor_speed <dbl>,
## #
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
<dbl>,
## #
       ram_capacity <dbl>, internal_memory <dbl>, screen_size <dbl>,
## #
       refresh rate <dbl>, num rear cameras <dbl>, num front cameras <dbl>,
## #
       os <chr>, primary_camera_rear <dbl>, primary_camera_front <dbl>,
       extended_memory_available <dbl>, extended_upto <dbl>, ...
# 7. Identify the dependent & independent variables and use reshaping
techniques and create a new data frame by joining those variables from your
dataset
# Description: Create a new data frame by separating dependent (price) and
independent variables and then joining them.
independent_vars <- dataset %>% select(-price)
```

```
dependent var <- dataset %>% select(price)
new dataset <- cbind(dependent var, independent vars)</pre>
cat("7. New data frame with dependent and independent variables:\n")
## 7. New data frame with dependent and independent variables:
print(new dataset)
                                                                          model
##
        price brand name
rating
## 1
        54999
                 oneplus
                                                                 OnePlus 11 5G
89
## 2
        19989
                 oneplus
                                                     OnePlus Nord CE 2 Lite 5G
81
## 3
        16499
                  samsung
                                                         Samsung Galaxy A14 5G
75
## 4
        14999
                motorola
                                                          Motorola Moto G62 5G
81
## 5
        24999
                   realme
                                                            Realme 10 Pro Plus
82
## 6
        16999
                                      Samsung Galaxy F23 5G (6GB RAM + 128GB)
                  samsung
80
## 7
        65999
                    apple
                                                               Apple iPhone 14
81
## 8
        29999
                  xiaomi
                                                Xiaomi Redmi Note 12 Pro Plus
86
## 9
        26749
                  nothing
                                                               Nothing Phone 1
85
## 10
        28999
                 oneplus
                                                            OnePlus Nord 2T 5G
84
                                                                 Realme 10 Pro
## 11
        18999
                   realme
82
## 12
        18999
                     oppo
                                                                       Oppo A78
79
                                                  Xiaomi Redmi Note 12 Pro 5G
## 13
        24762
                  xiaomi
79
        16990
                                                 Vivo T1 5G (6GB RAM + 128GB)
## 14
                     vivo
80
## 15
       114990
                  samsung
                                                  Samsung Galaxy S23 Ultra 5G
NA
## 16
        62999
                    apple
                                                               Apple iPhone 13
79
## 17
         9999
                     vivo
                                                                       Vivo Y16
65
## 18
        45999
                     oppo
                                                          OPPO Reno 9 Pro Plus
86
                                                                OnePlus 10R 5G
## 19
        32999
                  oneplus
86
## 20
        14499
                     vivo
                                                                       Vivo Y22
72
```

## 21	39999	oneplus	OnePlus 11R
85 ## 22	35999	vivo	Vivo V25 Pro 5G
85 ## 23	14999	росо	Poco X4 Pro 5G
80 ## 24	17859	xiaomi	Xiaomi Redmi Note 12
76 ## 25	42990	vivo	Vivo V26 Pro
87 ## 26	31239	samsung	Samsung Galaxy S20 FE 5G
88 ## 27	21995	oneplus	OnePlus Nord CE 2 Lite 5G (8GB RAM + 128GB)
84 ## 28	129990	apple	Apple iPhone 14 Pro Max
76 ## 29	27999	vivo	Vivo V25 5G
83 ## 30	69999	oneplus	OnePlus 11 Pro
NA ## 31	19999	realme	Realme 10 Pro (8GB RAM + 128GB)
84 ## 32	20999	росо	Poco X5 Pro
81 ## 33	27990	vivo	Vivo V27
83 ## 34	38999	apple	Apple iPhone 11
73 ## 35	23790	samsung	Samsung Galaxy M53 5G
85 ## 36	39999	samsung	Samsung Galaxy S21 FE 5G
87 ## 37	29990	орро	Oppo Reno 8T
87 ## 38	91999	samsung	Samsung Galaxy S22 Ultra 5G
NA ## 39	32999	xiaomi	Xiaomi Redmi Note 12 Pro Max 5G
83 ## 40	28499	орро	OPPO Reno 9 5G
83 ## 41	21999	oneplus	OnePlus Nord CE 3 5G
83 ## 42	19999	xiaomi	Xiaomi Redmi Note 11 Pro Plus 5G
83 ## 43	18999	motorola	Motorola Edge 20 Fusion 5G
87 ## 44	27999	realme	Realme 10 Pro Plus (8GB RAM + 256GB)
## 44 85 ## 45	18499	vivo	Vivo Y35
## 45 80	10433	A1AQ	V1VU 132

Samsung Galaxy M33 5G	samsung	17478	46	## 81
Xiaomi Redmi Note 11	xiaomi	11936	47	
Realme C33	realme	8950	48	##
Vivo Y16 (4GB RAM + 64GB)	vivo	12489	49	
Samsung Galaxy A74 5G	samsung	42999	50	68 ##
Samsung Galaxy A14 5G (6GB RAM + 128GB)	samsung	18999	51	NA ##
,	Ü			79
iQ00 Neo 7 5G	iqoo	29999	52	
Jio JioPhone 5G	jio	11990	53	
Motorola Moto G82 5G	motorola	18999	54	##
Realme 10	realme	13999	55	83 ##
				74
Realme 9i 5G	realme	14965	56	## 75
Apple iPhone 14 Plus	apple	74999	57	
Xiaomi Redmi Note 10S	xiaomi	10999	58	##
Samsung Galaxy S23 Plus	samsung	84990	59	
Motorola Moto G32	motorola	10499	60	89 ##
				75
Xiaomi Redmi Note 13 Pro 5G	xiaomi	17990	61	##
				78
Vivo S16	vivo	29990	62	## 85
Samsung Galaxy A23	samsung	18499	63	##
Vivo Y22 (6GB RAM + 128GB)	vivo	16499	64	79 ##
Poco M4 Pro 5G (6GB RAM + 128GB)	noco	14999	65	75 ##
, ,	росо	14333	ده	81
Vivo S16 Pro	vivo	35499	66	## 86
OnePlus 10 Pro 5G	oneplus	60999	67	
Xiaomi Redmi Note 12 Pro Plus (12GB RAM + 256GB)	xiaomi	32999	68	##
Samsung Galaxy F23 5G	samsung	15999	69	87 ##
	•			78
Oppo Find N Fold	oppo	99990	70	## NA

OPPO A17K	oppo	9499	71	## 62
Vivo V23 5G (12GB RAM + 256GB)	vivo	27994	72	
iQOO Z6 Lite 5G	iqoo	13989	73	##
OnePlus 10T	oneplus	44999	74	
Xiaomi Redmi Note 10T 5G (6GB RAM +128GB)	xiaomi	13999	75	
Gionee G13 Pro	gionee	6190	76	79 ##
Apple iPhone 13 Pro	apple	119900	77	NA ##
Apple 11 Holle 15 11 0	арріс	113300	,,	83
OPPO F22 Pro	орро	27660	78	## 83
Samsung Galaxy A34 5G	samsung	24999	79	
Xiaomi Redmi 10A (4GB RAM + 64GB)	xiaomi	8388	80	
Motorola Moto G72 4G	motorola	15999	81	##
Samsung Galaxy A14 5G (8GB RAM + 128GB)	samsung	20999	82	
Realme 9 5G	realme	13999	83	
Vivo T1 5G (8GB RAM + 128GB)	vivo	19990	84	
Samsung Galaxy M13 5G	samsung	13999	85	83 ##
				75
Motorola Edge 30 5G	motorola	22999	86	
Samsung Galaxy A23 5G	samsung	22999	87	83 ##
g ,	Ö			79
OPPO K10 5G	oppo	16999	88	## 79
Xiaomi Redmi Note 11 (6GB RAM + 128GB)	xiaomi	14290	89	## 80
Samsung Galaxy A73 5G	samsung	41999	90	
Vivo Y21 2021	vivo	13489	91	##
OnePlus Ace Racing Edition 5G	oneplus	22990	92	
Motorola Moto G62 (8GB RAM + 128GB)	motorola	16499	93	
Vivo VOA Dag Dius EC	vivo	72000	04	84
Vivo X90 Pro Plus 5G	vivo	73999	94	## NA
Realme C33 (4GB RAM + 64GB)	realme	9999	95	

			_	
## 75	96	12499	realme	Realme 9i
## 72	97	12499	oppo	OPPO A17
## 88	98	59999	iqoo	iQ00 11 5G
##	99	106990	vivo	Vivo X Fold 5G
	100	15990	vivo	Vivo T1 5G
	101	119990	apple	Apple iPhone 14 Pro
	102	19999	xiaomi	Xiaomi Redmi Note 11 Pro Max 5G
	103	23990	motorola	Motorola Moto S30 Pro
83 ## 80	104	12999	realme	Realme 10s
	105	19990	oppo	OPPO F19 Pro Plus 5G
	106	58990	xiaomi	Xiaomi 13 Pro 5G
	107	43999	vivo	Vivo V27 Pro
	108	49999	samsung	Samsung Galaxy S22 5G
	109	15999	vivo	Vivo T1 44W (6GB RAM + 128GB)
	110	36999	oneplus	OnePlus 10R 5G (12GB RAM + 256GB)
	111	39999	tecno	Tecno Phantom X2
	112	51999	apple	Apple iPhone 12
	113	22999	xiaomi	Xiaomi Redmi K50i 5G
	114	31999	samsung	Samsung Galaxy A53 5G
	115	6171	xiaomi	Xiaomi Redmi A1
	116	29340	oppo	OPPO Reno8 5G
	117	25289	samsung	Samsung Galaxy M53 5G (8GB RAM + 128GB)
	118	21788	iqoo	iQ00 Z6 Pro 5G
	119	69999	tesla	Tesla Pi Phone
	120	70990	samsung	Samsung Galaxy S23

.a Motorola Edge 30 Pro 5G	motorola	34999	121	## 89
OnePlus Nord 2T (12GB RAM + 256GB)	oneplus	33900	122	
Google Pixel 6A	google	29999	123	##
x Infinix Note 12 Pro 5G	infinix	18999	124	
ng Samsung Galaxy M33 5G (8GB RAM + 128GB)	samsung	19499	125	
vo Vivo V23 5G	vivo	24994	126	84 ##
Mataurala Mata CAO		10000	427	83
La Motorola Moto G42	motorola	10999	127	## 78
OnePlus Nord CE 2 Lite 5G (8GB RAM + 256GB)	oneplus	24999	128	## 85
ng Samsung Galaxy A33 5G	samsung	25999	129	
e Google Pixel 7A	google	34990	130	##
ni Xiaomi Redmi 11 Prime 5G	xiaomi	13466	131	
i Xiaomi Redmi Note 10 Lite	xiaomi	9999	132	
.a Motorola Moto E40	motorola	7999	133	76 ##
Nothing Phone 1 (8GB RAM + 256GB)	nothing	28249	134	71 ##
Dago VA Dro FC (CCD DAM : 120CD)		16400	125	86
Poco X4 Pro 5G (6GB RAM + 128GB)	poco	16499	135	## 82
ni Xiaomi Redmi Note 11 Pro Plus 5G (8GB RAM + 256GB)	xiaomi	22999	136	
Le Apple iPhone 11 (128GB)	apple	46999	137	87 ##
,				75
ne Realme C35 (6GB RAM + 128GB)	realme	13999	138	## 74
OPPO K10	орро	13490	139	## 78
iQ00 Neo 6 5G	iqoo	28999	140	
iQ00 Z6 5G	iqoo	15499	141	##
OPPO Reno 9 Pro 5G	орро	39999	142	
Poco M4 Pro 5G	росо	12999	143	
Jio Phone 3	jio	4499	144	76 ##
310 I Holle 3	710	-1-1 11	_ +	NA
OnePlus Clover	oneplus	14999	145	## 69

## 68	146	8499	samsung	Samsung Galaxy F04
	147	24990	iqoo	iQ00 7
	148	16999	samsung	Samsung Galaxy M34 5G
##	149	9589	xiaomi	Xiaomi Redmi 10
	150	40999	apple	Apple iPhone 12 Mini
	151	19988	xiaomi	Xiaomi Redmi Note 12 (6GB RAM + 128GB)
79 ##	152	11999	motorola	Motorola Moto G52
75			_	
## 79	153	142990	apple	Apple iPhone 15 Pro Max
## 87	154	30990	oppo	Oppo A98
	155	19499	infinix	Infinix Zero 5G 2023
	156	5299	realme	Realme C30
##	157	25969	орро	OPPO F21 Pro 5G
	158	28999	realme	Realme 11 Pro
	159	94990	орро	Oppo Find N2 5G
	160	14999	realme	Realme 9 4G
81 ##	161	14999	cola	Cola Phone
74 ##	162	129900	apple	Apple iPhone 13 Pro Max
84				•
## 88	163	58990	oppo	Oppo Reno 10 Pro Plus
## 88	164	41990	vivo	Vivo X90 5G
	165	10999	samsung	Samsung Galaxy F13
	166	11999	xiaomi	Xiaomi Redmi Note 10S (6GB RAM + 128GB)
##	167	16999	realme	Realme 10 (8GB RAM + 128GB)
	168	30990	iqoo	iQ00 9 SE 5G
	169	17999	infinix	Infinix Hot 20
75 ##	170	5499	letv	Letv Y1 Pro
NA				

xiaomi	Xiaomi Redmi Note 13 Pro Max 5G
realme	Realme Narzo 50 Pro 5G
орро	OPPO A74 5G
apple	Apple iPhone 9
iqoo	iQOO Z6 Lite (6GB RAM + 128GB)
xiaomi	Xiaomi Redmi Note 11SE
realme	Realme Narzo 50
vivo	Vivo Y75 5G
vivo	Vivo V25 (12GB RAM + 256GB)
poco	POCO M4 Pro 4G
infinix	Infinix Zero Ultra
tecno	Tecno Spark Go 2023
otorola	Motorola Moto X40
samsung	Samsung Galaxy F24 5G
-	· ·
realme	Realme 10 5G
oneplus	OnePlus Nord 3 5G
otorola	Motorola Moto G82 (8GB RAM + 128GB)
ikall	iKall Z19 Pro
leeco	LeEco S1 Pro
realme	Realme C2s
duoqin	Realme C2s Duoqin F22 Pro
duoqin	Duoqin F22 Pro
duoqin samsung nokia	Duoqin F22 Pro Samsung Galaxy M54 5G Nokia N73 5G
duoqin samsung	Duoqin F22 Pro Samsung Galaxy M54 5G
	oppo apple iqoo xiaomi realme vivo vivo poco nfinix tecno otorola samsung realme oneplus otorola ikall

dition	OPPO Reno 8 Pro House of Dragon Edit	орро	45999	196	## 86
ite 5G	OnePlus Nord CE 3 Lite	oneplus	18999	197	
L28GB)	Poco X4 Pro 5G (8GB RAM + 128	росо	17999	198	##
ку М04	Samsung Galaxy	samsung	8499	199	
) A77s	OPPO A	oppo	17999	200	
ку А13	Samsung Galaxy	samsung	14450	201	
Ultra	Motorola Edge 30 Ul	motorola	54999	202	
tra 5G	Xiaomi 13 Ultra	xiaomi	71999	203	
128GB)	Motorola Moto G52 (6GB RAM + 128	motorola	12999	204	
M4 5G	Poco M4	росо	11499	205	
256GB)	Nothing Phone 1 (12GB RAM + 256	nothing	35999	206	
\54 5G	Samsung Galaxy A54	samsung	34999	207	
Pova 4	Tecno Pov	tecno	11999	208	
256GB)	Xiaomi Redmi Note 12 Pro (8GB RAM + 256	xiaomi	27994	209	
256GB)	Apple iPhone 14 Pro Max (256	apple	139990	210	
256GB)	Vivo V25 Pro (12GB RAM + 256	vivo	39999	211	
128GB)	Realme 9 5G (6GB RAM + 128	realme	15499	212	86 ##
Pro 5G	Realme 9 Pro	realme	18999	213	79 ##
aze 5G	Lava Blaze	lava	10999	214	80 ##
or X9a	Honor	honor	27999	215	73 ##
Pro 5G	Google Pixel 7 Pro	google	81999	216	81 ##
Pova 3	Tecno Pov	tecno	9999	217	NA ##
	Vivo V23 Pro	vivo	31994	218	74 ##
	Samsung Galaxy A	samsung	9299	219	85
	Xiaomi Redmi	xiaomi	29990	220	65
	AZGONIZ REGINIZ	XIOOMII.	25550		84

## 78	221	25900	realme	Realme 9 Pro Plus 5G
	222	16999	realme	Realme 9i 5G (6GB RAM + 128GB)
##	223	24999	motorola	Motorola Edge 30 5G (8GB RAM + 128GB)
	224	12188	xiaomi	Xiaomi Redmi Note 11 (6GB RAM + 64GB)
	225	8999	vivo	Vivo Y02
	226	7499	росо	POCO C31 (4GB RAM + 64GB)
	227	17999	realme	Realme Narzo 50 5G
	228	24999	realme	Realme GT Neo 3T
79 ##	229	45999	орро	OPPO Reno 8 Pro 5G
86 ##	230	65499	oneplus	OnePlus 10 Pro 5G (12GB RAM + 256GB)
NA ##	231	58990	iqoo	iQ00 11 Pro 5G
89	232	11999	vivo	Vivo T1x 4G
74				
## 77	233	11999	xiaomi	Xiaomi Redmi 10 Power
## 76	234	18990	oppo	OPPO A58
	235	14499	vivo	Vivo T1 44W
	236	106990	xiaomi	Xiaomi Mix Fold 2 5G
##	237	10499	vivo	Vivo Y16 (3GB RAM + 64GB)
	238	26990	орро	OPPO Reno 8 Z
	239	19990	vivo	Vivo Y75 4G
	240	24999	xiaomi	Xiaomi Redmi Note 12 Explorer
	241	13969	орро	OPPO A57 4G (4GB RAM + 64 GB)
69 ##	242	44999	samsung	Samsung Galaxy A75 5G
83 ##	243	24999	vivo	Vivo T1 Pro 5G (8GB RAM + 128GB)
84 ##	244	53100	google	Google Pixel 7 5G
86				-
## 81	245	16999	xiaomi	Xiaomi Redmi Note 11T 5G (6GB RAM + 128GB)

## 246 21899 82	e oppo	OPPO F21s Pro 4G
## 247 75999	e apple	Apple iPhone 14 (256GB)
82 ## 248 25999	9 motorola	Motorola Moto G73
85 ## 249 46990	o nubia	Nubia Red Magic 8 Pro 5G
84 ## 250 9999	9 motorola	Motorola Moto G31
75 ## 251 49999	e tecno	Tecno Phantom X2 Pro
89 ## 252 17999) infinix	Infinix Zero 20
87		
## 253 16946 80	oopi iqoo	iQOO Z6 5G (6GB RAM + 128GB)
## 254 17990 81	o xiaomi	Xiaomi Redmi Note 11 Pro 5G
## 255 20990 84	oppo oppo	OPPO A1 Pro
## 256 51999 79	samsung	Samsung Galaxy S22 FE 5G
## 257 64449 87	samsung	Samsung Galaxy S22 Plus 5G
## 258 8996	o vivo	Vivo U3x
71 ## 259 19999	9 motorola	Motorola Moto G23
77 ## 260 13499	9 росо	Poco M4 5G (6GB RAM + 128GB)
79 ## 261 15499	e tecno	Tecno Pova 5G
78 ## 262 6499	Э росо	POCO C31
65	poco	. 000 032
## 263 71999 60	e apple	Apple iPhone XR2
## 264 36499 89	samsung	Samsung Galaxy A53 (8GB RAM + 256GB)
## 265 15999 78	e infinix	Infinix Note 12 5G
## 266 31994 87	4 oppo	OPPO Reno7 Pro 5G
## 267 34999	oneplus	OnePlus Ace 2
84 ## 268 18999	9 redmi	Redmi Note 11 Pro 2023
81 ## 269 39996	nothing	Nothing Phone 2
88	_	
## 270 16499 82	9 samsung	Samsung Galaxy A32 (8GB RAM + 128GB)

## 89	271	54300	google	Google Pixel 6 Pro
	272	9999	infinix	Infinix Note 12i (2022)
## 77	273	15990	xiaomi	Xiaomi Redmi 11 Prime 5G (6GB RAM + 128GB)
	274	22700	xiaomi	Xiaomi Redmi Note 11 Pro Plus 5G (8GB RAM + 128GB)
## 89	275	50990	xiaomi	Xiaomi 12 Pro 5G
	276	64900	apple	Apple iPhone 13 Mini
	277	13799	tecno	Tecno Pova 3 (6GB RAM + 128GB)
	278	8999	realme	Realme C31 (4GB RAM + 64GB)
## 88	279	89999	asus	Asus ROG Phone 6 Pro 5G
## 84	280	21994	vivo	Vivo V23e 5G
## 70	281	69990	apple	Apple iPhone 14 Mini
	282	12999	xiaomi	Xiaomi Redmi Note 10T 5G
## 83	283	24990	iqoo	iQ00 Neo 7 SE 5G
## 82	284	19990	samsung	Samsung Galaxy A23 (8GB RAM + 128GB)
## 82	285	26999	xiaomi	Xiaomi Redmi Note 12 Pro (8GB RAM + 128GB)
	286	19999	xiaomi	Xiaomi Redmi Note 12 Turbo
## 83	287	16900	infinix	Infinix Note 12 Pro
## 78	288	19999	infinix	Infinix Hot 20 (6GB RAM+ 128GB)
	289	182999	apple	Apple iPhone 14 Pro Max (1TB)
	290	12999	samsung	Samsung Galaxy M13
	291	15999	росо	Poco M4 Pro 5G (8GB RAM + 128GB)
## 82	292	13999	xiaomi	Xiaomi Redmi Note 10S (8GB RAM + 128GB)
## 61	293	7749	realme	Realme C11 2021 (4GB RAM + 64GB)
	294	24999	samsung	Samsung Galaxy A23 5G (8GB RAM + 128GB)
	295	59999	motorola	Motorola Edge 30 Ultra (12GB RAM + 256GB)

ro	OPPO F21s Pr	орро	25895	296	## 82
5G	Xiaomi 13 5	xiaomi	46990	297	
0A	Xiaomi Redmi 10	xiaomi	7499	298	##
1A	Vivo Y03	vivo	7790	299	
В)	Xiaomi Redmi K50i (8GB RAM + 256GE	xiaomi	25999	300	
В)	Realme C30 (3GB RAM + 32GE	realme	6299	301	85 ##
5G	Motorola Moto G51 5	motorola	12999	302	60 ##
J G	riocor ora rioco dor i	motor ora	12000	302	77
В)	Xiaomi Redmi 10 (6GB RAM + 128GE	xiaomi	11999	303	## 75
5G	Xiaomi Mi 11 Lite NE 5	xiaomi	21890	304	## 83
3	Samsung Galaxy Z Flip	samsung	69999	305	
В)	Apple iPhone 12 (128GE	apple	55999	306	##
В)	OnePlus 10T (16GB RAM + 256GE	oneplus	55999	307	
В)	Samsung Galaxy A13 (4GB RAM + 128GE	samsung	14999	308	
5G	OPPO Reno7 5	орро	25994	309	75 ##
5G	OnePlus 9RT 5	oneplus	42999	310	85 ##
- \	5	•	22400	244	85
8)	Samsung Galaxy A53 5G (8GB RAM + 128GE	samsung	33499	311	## 89
В)	Samsung Galaxy S22 Ultra 5G (12GB RAM + 512GE	samsung	118999	312	
5G	Motorola Moto G71	motorola	16999	313	
ro	itel S16 Pr	itel	6990	314	##
00	Vivo Y16	vivo	29990	315	
В)	Samsung Galaxy M13 5G (4GB RAM + 64GE	samsung	12944	316	
GT	POCO X5 (росо	29990	317	
5G	Honor X9 5	honor	16999	318	84 ##
					80
В)	iQOO 11 (16GB RAM + 256GE	iqoo	64999	319	## 89
4	Samsung Galaxy Z Fold	samsung	154998	320	## NA

		_		
## 32 87	109999	royole	Royole FlexPai 2	
## 32 83	2 84999	apple	Apple iPhone 14 Plus (256GB)	
## 32 85	27499	samsung	Samsung Galaxy A33 5G (8GB RAM + 128GB)	
## 32 69	24 8999	tecno	Tecno Spark 9	
## 32 84	25 40480	google	Google Pixel 6	
## 32 81	26 17999	xiaomi	Xiaomi Redmi Note 10 Pro (6GB RAM + 128GB)	
	7 105999	samsung	Samsung Galaxy S21 Ultra	
## 32 67	8999	infinix	Infinix Hot 20 Play	
## 32 77	14999	vivo	Vivo T1x (6GB RAM + 128GB)	
## 33 82	19990	oppo	OPPO F23 Pro	
## 33 80	23399	iqoo	iQ00 Z6 Pro 5G (8GB RAM + 128GB)	
## 33	32 41990	samsung	Samsung Galaxy A73 5G (8GB RAM + 256GB)	
NA ## 33	3 22998	realme	Realme 9 5G SE (8GB RAM + 128GB)	
82 ## 33	34 25999	росо	Poco F4 5G	
82 ## 33	11700	infinix	Infinix Note 12	
74 ## 33	6499	samsung	Samsung Galaxy A03 Core	
NA ## 33	7 15999	motorola	Motorola Moto G60	
## 33	88 64800	oneplus	OnePlus 9 Pro	
89 ## 33	9 14590	xiaomi	Xiaomi Redmi Note 11S	
80 ## 34	10 7499	xiaomi	Xiaomi Redmi 9 Activ	
68 ## 34	1 21999	tecno	Tecno Camon 19 Pro 5G	
82 ## 34	11999	samsung	Samsung Galaxy A04	
71 ## 34	3 12999	росо	POCO M4 Pro 4G (6GB RAM + 128GB)	
79 ## 34	4 20990	oneplus	OnePlus Nord N20 5G	
81 ## 34	5 72999	apple	Apple iPhone 13 (256GB)	
79				

## NA	346	77990	oppo	Oppo Find X6 Pro
##	347	56999	vivo	Vivo X90 Pro 5G
	348	21999	motorola	Motorola Moto G53
	349	9499	motorola	Motorola Moto G22
	350	7499	xiaomi	Xiaomi Redmi 9i Sport
	351	4649	jio	Jio JioPhone Next
	352	18000	vivo	Vivo Y93
62 ##	353	38999	xiaomi	Xiaomi Redmi K60 Pro
85 ##	354	7145	realme	Realme C30s
NA ##	355	14990	vivo	Vivo Y22s
77	356	15499	орро	OPPO A77
70	357	9999	xiaomi	
69				Xiaomi Redmi 10A Sport
## 86	358	29999	poco	Poco F4 (12GB RAM + 256GB)
## 84	359	15999	realme	Realme 9 4G (8GB RAM + 128GB)
	360	59990	xiaomi	Xiaomi 12T Pro 5G
	361	34990	iqoo	iQ00 9 5G
##	362	45999	apple	Apple iPhone 12 Mini (128GB)
	363	119990	samsung	Samsung Galaxy S24 Ultra
	364	89990	орро	OPPO Find N Flip
	365	50999	oneplus	OnePlus 10T (12GB RAM + 256GB)
	366	7999	tecno	Tecno Spark 9 (4GB RAM + 64GB)
65 ##	367	43999	samsung	Samsung Galaxy S21 FE 5G (8GB RAM + 256GB)
88 ##	368	18499	xiaomi	Xiaomi Redmi Note 11T 5G (8GB RAM + 128GB)
83		134999	sony	Sony Xperia Pro-I
NA	370	32999	vivo	Vivo V21 Pro
## 85	3/0	34333	V1V0	VIVO VZI Pro

Poco X3	poco	13499	371	## 80
Samsung Galaxy S20 FE	samsung	35489	372	
Google Pixel 4	google	20120	373	##
Samsung Galaxy S10 Plus	samsung	42999	374	
Realme 11 Pro Plus	realme	24999	375	
OPPO F21 Pro 4G	oppo	20999	376	78 ##
				82
Realme GT 2 5G	realme	28994	377	## 84
Samsung Galaxy S21	samsung	48900	378	## 88
Samsung Galaxy A71	samsung	22494	379	
Vivo Y02s	vivo	8990	380	##
Letv Y2 Pro	letv	6999	381	
Tecno Spark 8C (4GB RAM + 64GB)	tecno	8890	382	NA ##
				63
iQOO Z6 5G (8GB RAM + 128GB)	iqoo	18498	383	## 82
Vivo T1 Pro	vivo	23999	384	## 81
Realme 9 Pro Plus 5G (8GB RAM + 128GB)	realme	22994	385	
Samsung Galaxy A04s	samsung	12990	386	##
Realme 9i (6GB RAM + 128GB)	realme	14999	387	71 ##
D 1 0 50 (00D DW 4000D)	-	10100	200	78
Realme 8 5G (8GB RAM + 128GB)	realme	18499	388	## 80
OPPO F19	oppo	14990	389	## 78
OPPO Find N2 Flip	oppo	70990	390	## 88
Samsung Galaxy M32 Prime Edition	samsung	12120	391	
Oukitel WP19	oukitel	29990	392	##
Realme 9 Pro 5G (8GB RAM + 128GB)	realme	20999	393	
Vicemi Dodmi Note 10 Lite (CCD DAM : 120CD)		11000	204	82
Xiaomi Redmi Note 10 Lite (6GB RAM + 128GB)	xiaomi	11999	394	## 80
Samsung Galaxy A13 5G	samsung	17990	395	## 73

Xiaomi Redmi Note 11 56	xiaomi	14990	396	## 77
itel P36	itel	6490	397	
Realme GT Neo 5	realme	34999	398	##
Apple iPhone 15 Ultra	apple	149900	399	
Poco C50	росо	6499	400	
Samsung Galaxy Note 30 Ultra 50	samsung	104999	401	
Realme 9i (4GB RAM + 128GB)	realme	13999	402	
Xiaomi Redmi Note 11T 5G	xiaomi	16999	403	75 ##
Vivo X80 Pro 56	vivo	79999	404	79 ##
OPPO Reno 6 Pro 50	орро	36760	405	NA ##
Xiaomi Mi 11i 5G	xiaomi	23499	406	87
				81
Asus ROG Phone 7	asus	75990	407	87
Oppo A77 5G	орро	21990	408	## 76
Realme 9 5G SE	realme	18999	409	## 80
Samsung Galaxy A03	samsung	7249	410	
OnePlus Nord N200	oneplus	16990	411	
Xiaomi Mi 11X	xiaomi	23890	412	##
OPPO Reno 6	орро	26380	413	
Realme X50 Pro 5G (12GB RAM + 256GB)	realme	27999	414	
Xiaomi Redmi 10A (6GB RAM + 128GB)	xiaomi	10850	415	87 ##
Redmi Note 12 Pro Speed Edition	redmi	19999	416	70 ##
Apple iPhone 14 Pro (256GB)	apple	129990	417	81 ##
Motorola Moto G72	motorola	19990	418	76
				81
Motorola Moto X30 Pro	motorola	41990	419	NA
Xiaomi 12S Ultra	xiaomi	69990	420	## NA

Honor 70 50	honor	39990	421	## 88
OnePlus 10 Pro 5G (12GB RAM + 512GB)	oneplus	74999	422	
Vivo V23 Pro 5G (12GB RAM + 256GB)	vivo	36994	423	
OPPO A55 4G (6GB RAM + 128GB)	орро	14700	424	
Xiaomi Mi 11T Pro 50	xiaomi	34990	425	
Nokia X50 50	nokia	34999	426	
Xiaomi Redmi Note 10	xiaomi	13990	427	
Vertu Signature Touch	vertu	650000	428	
Samsung Galaxy M32 Prime Edition (6GB RAM + 128GB)	samsung	14859	429	## 79
Tecno Camon 19 Pro Mondrian Edition	tecno	17999	430	## 84
Poco F5	росо	34990	431	## 85
BLU F91 50	blu	14990	432	## 85
OPPO A166	орро	8999	433	## 65
Motorola Moto E32	motorola	8999	434	## 71
Xiaomi Redmi Note 11S (8GB RAM + 128GB)	xiaomi	15824	435	## 84
Apple iPhone SE 3 2022	apple	43900	436	## NA
Samsung Galaxy A52 (8GB RAM + 128GB)	samsung	22494	437	## 86
Poco X3 Pro	росо	19650	438	
Xiaomi Redmi 9A	xiaomi	6999	439	## 61
Samsung Galaxy A32	samsung	16499	440	
Motorola Moto G13	motorola	15999	441	
Asus ROG Phone 6 Batman Edition	asus	72999	442	
Xiaomi Redmi Note 12 Pro Plus (6GB RAM + 128GB)	xiaomi	26999	443	
Infinix Smart 6 HD	infinix	6999	444	
Apple iPhone 15 Pro	apple	130990	445	

## 446 71	12787	realme	Realme C35 (4GB RAM + 128GB)
## 447 72	9999	infinix	Infinix Hot 12
## 448 86	54999	vivo	Vivo X80 5G
## 449 79	15490	vivo	Vivo Y53s
## 450	25999	tecno	Tecno Phantom X
84 ## 451	9499	samsung	Samsung Galaxy M04 (4GB RAM + 128GB)
68 ## 452	7999	redmi	Redmi 12C
70 ## 453	63990	asus	Asus ZenFone 9
86 ## 454	15990	sony	Sony Xperia L5 5G
73 ## 455	34949	iqoo	iQOO 9 SE 5G (12GB RAM + 256GB)
85 ## 456	8799	tecno	Tecno Spark 8 Pro
72 ## 457	12390	xiaomi	Xiaomi Redmi 10 Prime
74 ## 458	11499	samsung	Samsung Galaxy F22
	199990	xiaomi	Xiaomi Mi Mix Alpha
NA ## 460	42990	орро	OPPO Reno 10 Pro
86 ## 461	34999	nubia	Nubia Z50
82 ## 462	11999	samsung	Samsung Galaxy F13 (4GB RAM + 128GB)
75 ## 463	10499	nokia	Nokia G11 Plus
70 ## 464	8910	infinix	Infinix Hot 12 Play
66 ## 465	24990	vivo	Vivo T2 5G
85 ## 466	17999	орро	OPPO Reno7 Z 5G
84 ## 467	22999	xiaomi	Xiaomi Mi 11 Lite NE 5G (8GB RAM + 128GB)
86 ## 468	6490	realme	Realme Narzo 50i
NA ## 469	21990	infinix	Infinix Zero X Pro
85			
## 470 76	12364	samsung	Samsung Galaxy M32

Samsung Galaxy A82 5G	samsung	39990	471	## 86
Xiaomi Poco F1	xiaomi	11999	472	
Vivo Y25		7499	473	##
Lyf Earth 1	lyf	3990	474	
Motorola Moto E13	motorola	10499	475	
Tecno Pop 6 Pro	tecno	6299	476	
Itel A24 Pro	itel	5990	477	NA ##
Vivo X Fold Plus	vivo	113990	478	NA ##
Huawei Mate 50 RS Porsche Design	huawei	239999	479	NA ##
Samsung Galaxy F63			480	81
Ç	samsung			84
iQOO Z6 4G (6GB RAM + 128GB)	iqoo	15999	481	## 80
Sony Xperia 5 II	sony	69990	482	## 86
Vivo Y3 (4GB RAM + 128GB)	vivo	12990	483	## 71
Sony Xperia 1 IV (12GB RAM + 512GB)	sony	92980	484	
Tecno Pova 4 Pro	tecno	15999	485	
Huawei Nova 10 SE	huawei	23999	486	##
Vivo T1x (4GB RAM + 128GB)	vivo	12999	487	
Nubia Red Magic 7S Pro	nubia	60990	488	75 ##
Motorola Moto E32s (4GB RAM + 64GB)	motorola	8859	489	86 ##
iQOO Neo 6 5G (12GB RAM + 256GB)	iqoo	33749	490	67 ##
Samsung Galaxy A15	·	15990	491	84
,	samsung			63
POCO X4 GT 5G	росо	24990	492	## 84
Realme Narzo 50 5G (4GB RAM + 128GB)	realme	14999	493	## 76
Vivo Y77 5G	vivo	17990	494	## 76
Honor 60 SE 5G	honor	24990	495	
				, ,

Xiaomi Redmi 11 Prime	xiaomi	11600	496	## 74
Realme C31	realme	8299	497	
Motorola Moto G31 (6GB RAM+ 128GB)	motorola	11999	498	##
Samsung Galaxy Z Flip 4 5G	samsung	89999	499	
OnePlus 6 (8GB RAM + 128GB)	oneplus	27999	500	
Google Pixel 2 XL	google	15990	501	77 ##
Xiaomi Redmi A1 Plus	xiaomi	7289	502	69 ##
Alabiil Rediil Al Flus	XIAOIIII	7203	302	60
Honor 70 5G (8GB RAM + 256GB)	honor	30990	503	## 86
Realme Narzo 50 (6GB RAM + 128GB)	realme	15499	504	## 77
Vivo Y15s	vivo	8499	505	
Samsung Galaxy M32 (6GB RAM + 128GB)	samsung	14490	506	##
Samsung Galaxy F42 5G	samsung	15490	507	
Realme Q5 5G	realme	14990	508	
POCO M3 Pro 5G	росо	15999	509	
Google Pixel 5	google	36000	510	
OnePlus 12 Pro	oneplus	69999	511	
Xiaomi Redmi Note 12 Discovery Edition	xiaomi	26990	512	NA ##
Samsung Galaxy M13 (4GB RAM + 64GB)	samsung	10630	513	86 ##
	3a3a8			71
Oppo Reno 8 Pro (8GB RAM + 256GB)	oppo	42990	514	## 85
Vivo Y78 5G	vivo	24990	515	## 77
iQ00 Z6 4G	iqoo	14489	516	
OPPO A76	орро	16490	517	
Realme 9 Pro Plus 5G (8GB RAM + 256GB)	realme	24494	518	
Vivo Y01	vivo	7999	519	##
Motorola Moto Edge S30 5G	motorola	23990	520	
				85

Realme GT 2 Pro 5G	realme	49959	521	## 89
Apple iPhone 13 Pro (256GB)	apple	129900	522	
Vivo Y73 2021	vivo	19990	523	##
Samsung Galaxy F14	samsung	14990	524	
Vivo V20	vivo	23269	525	
Xiaomi Redmi Note 9 Pro	xiaomi	13999	526	85 ##
OnePlus 10R Prime Edition	oneplus	35389	527	75 ##
	•			85
Google Pixel 6 Pro (12GB RAM + 256GB)	google	79700	528	## NA
Nokia C31	nokia	9499	529	## 62
Infinix Hot 12 Pro (8GB RAM+ 128GB)	infinix	12340	530	
Poco M5	росо	10799	531	##
Xiaomi Redmi 10C (4GB RAM + 128GB)	xiaomi	14990	532	
ZTE Axon 40 Ultra 5G	zte	61990	533	
Xiaomi 12 Pro 5G (12GB RAM + 256GB)	xiaomi	51880	534	89 ##
				NA
OPPO K10 (8GB RAM + 128GB)	oppo	16990	535	## 80
Huawei Nova 9 SE	huawei	19990	536	##
Samsung Galaxy S22 5G (8GB RAM + 256GB)	samsung	57999	537	
Lenovo Legion Y90	lenovo	46990	538	87 ##
				87
Vivo Y55 5G	vivo	20990	539	## 77
Nokia X100 5G	nokia	17990	540	## 82
Realme 8s 5G (8GB RAM + 128GB)	realme	17499	541	
Realme 8s 5G	realme	17999	542	##
Nokia X60 Pro 5G	nokia	49990	543	
Doco VE	2000	14000	E // /	NA ##
Poco X5	poco 	14999	544	74
Xiaomi Redmi Note 10 Pro Max (6GB RAM + 128GB)	xiaomi	19980	545	## 82

546 35990 iqoo iQOO	7 (12GB RAM + 256GB)
547 15999 realme	Realme 8
548 41999 samsung	Samsung Galaxy S20
549 25999 xiaomi	Xiaomi Redmi K60E
550 7990 motorola	Motorola Moto E32s
551 29990 oneplus	OnePlus Nord 3T 5G
552 27990 oppo	OPPO F23 Pro Plus 5G
553 29999 poco	Poco F5 Pro
554 8999 oppo OPPO A	A16e (4GB RAM + 64GB)
· ·	4G (8GB RAM + 128GB)
·	
556 11499 realme	Realme Narzo 50A
557 39999 asus	Asus ROG Phone 5s 5G
558 27999 realme Realme	GT Master Edition 5G
559 24499 samsung	Samsung Galaxy A32 5G
560 60999 nubia Nubia	Red Magic 8 Pro Plus
561 110999 samsung Sar	nsung Galaxy Z Fold 3
562 54999 lg	LG Wing 5G
563 16490 xiaomi Xiaomi	Redmi Note 9 Pro Max
564 24990 samsung	Samsung Galaxy A52
565 25000 vivo	Vivo Y71
	A04e (3GB RAM + 64GB)
567 12999 oppo	Oppo A56s
568 19999 oppo	Oppo Reno 8T 4G
569 32999 oppo	OPPO Reno 10
570 28498 nokia	Nokia G60

## 571 71	15998	oppo	OPPO A77 (4GB RAM + 128 GB)
## 572 89	59990	motorola	Motorola Edge 40 Pro 5G
## 573	16990	орро	Oppo K10x 5G
78 ## 574	27999	iqoo	iQ00 Z6 Pro 5G (12GB RAM + 256GB)
82 ## 575	13499	nokia	Nokia G21 (6GB RAM + 128GB)
75 ## 576	16499	samsung	Samsung Galaxy A13 (6GB RAM + 128GB)
78 ## 577	10999	орро	OPPO A16K (4GB RAM + 64GB)
66 ## 578	13990	xiaomi	Xiaomi Redmi 10C
71 ## 579	9999	tecno	Tecno Spark 9 Pro
74 ## 580	31994	realme	Realme GT Neo 3 5G
83 ## 581	24820	xiaomi	Xiaomi 11i HyperCharge 5G
83 ## 582	22990	iqoo	iQOO Neo 6 SE 5G
83 ## 583	59990	iqoo	iQ00 9 Pro 5G
88 ## 584	8999	realme	Realme Narzo 50i (4GB RAM + 64GB)
62 ## 585	10499	xiaomi	Xiaomi Redmi 9 Activ (6GB RAM + 128GB)
72 ## 586	7499	jio	Jio JioPhone Next (3GB RAM + 32GB)
NA ## 587	9990	xiaomi	Xiaomi Redmi Note 8 2021
75 ## 588	12490	xiaomi	Xiaomi Redmi Note 10 5G
76 ## 589	13990	vivo	Vivo Y20G
69 ## 590	17990	samsung	Samsung Galaxy A22 5G
79 ## 591	24999	vivo	Vivo V21
83 ## 592	21999	realme	Realme 7 Pro (8GB RAM + 128GB)
85 ## 593	19999	oneplus	OnePlus Nord Lite
77 ## 594	99999	samsung	Samsung Galaxy S20 Ultra 5G
NA ## 595		apple	Apple iPhone 11 Pro Max
77	_02200	app±c	Apple 1. None 11 . To riak

Apple iPhone 7s	apple	52990	596	## NA
Sony Xperia Ace IV	sony	19990	597	
Samsung Galaxy A04e (4GB RAM + 128GB)	samsung	11499	598	##
Xiaomi Redmi Note 12 4G	xiaomi	13999	599	
Oukitel WP21	oukitel	22990	600	
Vivo V28	vivo	28990	601	
Poco F4 5G (8GB RAM + 128GB)	росо	27999	602	
Xiaomi Redmi Note 11T Pro 5G	xiaomi	19990	603	
Realme Narzo 50 Pro 5G (8GB RAM + 128GB)	realme	22999	604	
Vivo T1 44W (8GB RAM + 128GB)	vivo	17999	605	
Xiaomi Redmi Note 11S (6GB RAM + 128GB)	xiaomi	15499	606	
Lava Agni 5G	lava	17990	607	
Realme 8i (6GB RAM + 128GB)	realme	13999	608	
OPPO A55 4G	орро	13499	609	77 ## 73
POCO M3 Pro 5G (6GB RAM + 128GB)	росо	14799	610	
Realme C21Y	realme	6999	611	
OPPO A16	орро	11999	612	
Vivo V21 5G	vivo	23994	613	
Apple iPhone 12 Pro (512GB)	apple	139900	614	
Sony Xperia 1 II	sony	69999	615	
Motorola Edge Plus	motorola	57999	616	
Samsung Galaxy Note 20	samsung	86000	617	
Samsung Galaxy A12	samsung	11999	618	
Xiaomi Redmi Note 12 Pro 4G	xiaomi	14999	619	
Realme GT Neo 3T (8GB RAM + 128GB)	realme	26499	620	
				OI

Realme C30s (4GB RAM + 64GB)	realme	8990	621	## 62
Apple iPhone 14 (512GB)	apple	95999	622	
iQ00 9T 5G	iqoo	47990	623	##
Tecno Camon 19 Pro	tecno	17990	624	
OnePlus Nord 2 Lite 56	oneplus	22999	625	
Samsung Galaxy S22 Ultra 5G (8GB RAM + 128GB)	samsung	99990	626	83 ##
POCO F4 GT 56	росо	39999	627	NA ##
1000 1 1 01 30	poco	3222	02,	86
Xiaomi 11T Pro 5G (12GB RAM + 256GB)	xiaomi	38999	628	## 88
Vivo Y10	vivo	12490	629	
Samsung Galaxy A83 50	samsung	39990	630	
Vivo Y33s	vivo	16685	631	##
Huawei Mate 40 Pro 40	huawei	69990	632	
Micromax IN 2B	micromax	6999	633	
Asus ROG Phone 6	asus	71999	634	
Realme X7 Max	realme	26999	635	
D1 0 50		16400	636	84
Realme 8 5G	realme	16499	636	## 75
OPPO A55 5G	орро	17990	637	##
Xiaomi Redmi 9	xiaomi	8999	638	
Apple iPhone SE 2020	apple	39900	639	
Letv Y1 Pro Plus	letv	5999	640	
OnePlus Nord 5	oneplus	34999	641	
V4. V707		16000	C 4 3	76
Vivo Y73T	vivo	16990	642	## 77
OPPO Reno 9 Z	орро	22990	643	## 84
Vivo V25e	vivo	19990	644	## 84
Infinix Hot 12 Pro	infinix	10850	645	
				7 -

iB)	Realme Narzo 50 5G (4GB RAM + 64G	realme	13499	646	## 75
ı 3	itel Vision	itel	6699	647	##
4G	OPPO A96	орро	17999	648	
5G	Xiaomi Redmi Note 11E	xiaomi	13990	649	
5G	Honor Magic 4 Pro Plus !	honor	94990	650	69 ##
9T	Tecno Spark 9	tecno	8968	651	NA ##
					72
: 6	Infinix Smart	infinix	7320	652	## 60
iB)	Realme C25Y (4GB RAM + 64G	realme	8999	653	## 69
iB)	Samsung Galaxy A12 (6GB RAM + 128G	samsung	13999	654	
19	Tecno Camon	tecno	14746	655	##
5G	Xiaomi Redmi Note 10 Pro	xiaomi	16999	656	
iB)	Xiaomi Mi 11X 5G (8GB RAM + 128G	xiaomi	25990	657	
iB)	Xiaomi Redmi Note 10 (6GB RAM + 128G	xiaomi	16499	658	83 ##
1ax	Xiaomi Redmi Note 10 Pro Ma	xiaomi	19999	659	78 ##
					81
5G	Xiaomi Mi 10T !	xiaomi	23500	660	## 80
5G	LG Velvet	lg	54999	661	
us	Motorola One Fusion Plo	motorola	19499	662	##
.nQ	LG V60 Thi	lg	79990	663	
lte	Samsung Galaxy Note 10 Li	samsung	39999	664	
5G	Samsung Galaxy Note 10 Plus	samsung	92999	665	83 ##
ion	iQOO Neo 7 Racing Edition	iqoo	32990	666	89 ##
		•			84
iB)	Samsung Galaxy A04s (4GB RAM + 128G	samsung	14499	667	## 72
5G	Vivo Y35	vivo	13999	668	## 70
iB)	Vivo Y02 (2GB RAM + 32G	vivo	7999	669	
iB)	itel Vision 3 (2GB RAM + 32G	itel	5785	670	##
					NA

71 12990	xiaomi	Xiaomi Redmi Note 11R
72 19990	росо	Poco M6 Pro
73 23990	oppo	OPPO A97 5G
74 17999	samsung	Samsung Galaxy A24
75 1 6999	infinix	Infinix Note 13 Pro
76 9999	honor	Honor Play 30
77 8299	infinix	Infinix Smart 6 Plus
78 82199	sony	Sony Xperia 5 IV 5G
79 49990	nubia	Nubia Z40 Pro 5G
30 11 999	nokia	Nokia G21
31 29990	xiaomi	Xiaomi 12 Lite 5G
		Oppo Find N 5G
33 139900	apple	Apple iPhone 13 Pro Max (256GB)
34 14990	vivo	Vivo Y21s
35 15988	орро	OPPO F19s
36 11725	samsung	Samsung Galaxy M21 2021
37 17994	орро	OPPO F19 Pro
38 134999	орро	OPPO X 2021
39 25595	oneplus	OnePlus Nord N10
90 7499	gionee	Gionee M12 Pro
10890	росо	Poco M2
2 18990	орро	OPPO F17 Pro
3 19990	motorola	Motorola Moto G 5G
94 15990	samsung	Samsung Galaxy A50s
5 58999	samsung	Samsung Galaxy Note 10 Plus
	72 19990 73 23990 74 17999 75 16999 76 9999 77 8299 78 82199 79 49990 81 29990 82 92249 83 139900 84 14990 85 15988 86 11725 87 17994 88 134999 89 25595 90 7499 91 10890 92 18990	72 19990 poco 73 23990 oppo 74 17999 samsung 75 16999 infinix 76 9999 honor 77 8299 infinix 78 82199 sony 79 49990 nubia 80 11999 nokia 81 29990 xiaomi 82 92249 oppo 83 139900 apple 84 14990 vivo 85 15988 oppo 86 11725 samsung 87 17994 oppo 88 134999 oppo 89 25595 oneplus 80 7499 gionee 81 10890 poco 82 18990 oppo

Vivo Y15	Viv	vivo	12500	696	## 71
vo S1 Pro	Vivo S	vivo	29999	697	
vo T3 Pro	Vivo T	vivo	31990	698	##
Vivo V21s	Vivo	vivo	29999	699	
Ultimate	Asus ROG Phone 6D Ult	asus	107990	700	
ge 30 Neo	Motorola Moto Edge 3	motorola	31990	701	
iaomi 12T	Xiaom	xiaomi	48990	702	84 ##
50 Pro 5G	Huawei Mate 50 P	huawei	99990	703	87 ##
ealme C32		realme	9499	704	85 ##
					65
Mate Xs 2	Huawei Mate	huawei	162990	705	## 89
Z7 Pro 5G	iQ00 Z7 P	iqoo	24999	706	## 80
iPhone 15	Apple iPho	apple	82990	707	
+ 128GB)	Infinix Note 11S (8GB RAM + 1	infinix	15999	708	
M + 64GB)	Tecno Spark 8 (4GB RAM +	tecno	8999	709	##
po A56 5G	Oppo A	орро	17990	710	
o Plus 5G	Vivo X80 Pro Pl	vivo	82990	711	
+ 128GB)	Xiaomi Redmi 10 Prime (6GB RAM + 1	xiaomi	12999	712	
ei Nova 9	Huawei N	huawei	29990	713	
Pop 5 Go	Tecno Pop	tecno	6999	714	83 ##
50 Pro 4G	Huawei P50 P	huawei	60999	715	NA ##
	Xiaomi Redmi K	xiaomi	27990	716	NA
					83
C01 Plus	Nokia C01	nokia	5249	717	## NA
Realme Q3	Real	realme	14999	718	## 80
o Plus 5G	OPPO Reno 6 Pro Pl	орро	44990	719	
la Edge S	Motorola E	motorola	22490	720	##
					87

## 721 NA	50990	oppo	Oppo Find X3 Pro
## 722 75	11499	poco	Poco M3
## 723 NA	5990	itel	itel S16
## 724	27000	vivo	Vivo V20 Pro
84 ## 725	29999	xiaomi	Xiaomi Mi 10T Pro 5G
86 ## 726	27990	vivo	Vivo V19 (8GB RAM + 256GB)
84 ## 727	74999	samsung	Samsung Galaxy S20 5G
89 ## 728	9990	vivo	Vivo U3
72 ## 729	19990	орро	Oppo K5 (8GB RAM + 128GB)
82			
## 730 75	13279	realme	Realme XT
## 731 68	11000	vivo	Vivo Y12 (3GB RAM + 64GB)
## 732 78	12999	xiaomi	Xiaomi Poco F1 (6GB RAM + 128GB)
## 733 61	7299	poco	Poco C50 (3GB RAM + 32GB)
## 734	7999	ikall	iKall Z19
61 ## 735	54990	xiaomi	Xiaomi Redmi K60 Gaming Edition
86 ## 736	49990	vivo	Vivo S17 Pro
77 ## 737	54990	honor	Honor 80 Pro Plus
NA ## 738	49990	apple	Apple iPhone SE 4
60 ## 739	15499	tecno	Tecno Pova Neo 5G
71	169900		
78		apple	Apple iPhone 14 Pro Max (512GB)
## 741 75	53990	google	Google Pixel 8
## 742 80	18990	vivo	Vivo T2x 5G
## 743 76	16999	motorola	Motorola Moto G52 5G
## 744	34999	motorola	Motorola Edge 40 5G
86 ## 745	82990	vivo	Vivo X Note 5G (12GB RAM + 512GB)
NA			

)	Realme GT 2 Pro 5G (12GB RAM + 256GB)	realme	46999	746	## 89
-	Vivo Y150	vivo	8499	747	
3	Honor X8	honor	16999	748	
,	Samsung Galaxy A03 (4GB RAM + 64GB)	samsung	11499	749	##
,	Samsung Galaxy S22 Plus 5G (8GB RAM + 256GB)	samsung	88999	750	
Γ	Vivo Y33	vivo	15990	751	
)	Xiaomi 11i 5G (8GB RAM + 128GB)	xiaomi	24990	752	
ĵ	Oppo Find X5 Pro 50	oppo	79990	753	
2	Tecno Spark Go 2022	tecno	6249	754	
ž	Vivo Y216	vivo	12499	755	
Ξ	Xiaomi Redmi 9A Sport	xiaomi	6499	756	
)	Apple iPhone 13 Pro Max (1TB)	apple	179900	757	
)	Vivo Y12G (3GB RAM + 64GB)	vivo	11990	758	
ž	Vivo V23e	vivo	26990	759	
)	Samsung Galaxy F22 (6GB RAM + 128GB)	samsung	13499	760	
ĵ	Xiaomi 12 Ultra 50	xiaomi	75999	761	
2	Micromax IN 20	micromax	5999	762	NA ##
5	Samsung Galaxy A03s	samsung	8499	763	60 ##
)	OPPO A54 (4GB RAM + 128GB)	oppo	11990	764	67 ##
(Xiaomi Redmi 20)	xiaomi	10990	765	71 ##
t	Xiaomi Mi Mix Folo	xiaomi	109990	766	77 ##
ŝ	Realme Narzo 30 50	realme	16999	767	NA ##
1	OPPO A54	орро	12199	768	80 ##
	Oppo A15s (4GB RAM + 128GB)	орро	11490	769	70
	itel A56	itel	5490	770	72
				. 3	NA

Xiaomi Redmi 9 Power	xiaomi	11499	771	## 74
Samsung Galaxy S21 Plus	samsung	59450	772	
POCO M2 Pro	росо	12799	773	
Samsung Galaxy S20 Plus	samsung	83000	774	##
Realme 6 Pro	realme	14490	775	
Huawei P40 Pro	huawei	82990	776	
Vivo Y11 (2019)	vivo	9490	777	
Vivo V15 Pro (8GB RAM +128GB)	vivo	25000	778	
Vivo Y95	vivo	15000	779	78 ##
Vivo V11i	vivo	20990	780	65 ##
Samsung Galaxy S9 Plus (128GB)	samsung	34999	781	70 ##
Realme GT Neo 4T	realme	29999	782	78 ##
Vivo Y53t	vivo	11999	783	80
	*1*0	11333		67
Samsung Galaxy A04 (4GB RAM + 128GB)	samsung	12999	784	## 72
Leitz Phone 2	leitz	124990	785	
Xiaomi Redmi K60i	xiaomi	28999	786	
Infinix Hot 20S	infinix	12999	787	##
Realme GT Neo 3T (8GB RAM + 256GB)	realme	28499	788	
Apple iPhone 14 Plus (512GB)	apple	104999	789	
Apple iPhone 14 Pro (1TB)	apple	172999	790	
Xiaomi Redmi 13 Prime 5G	xiaomi	17990	791	
Xiaomi Redmi 11 Prime (6GB RAM + 128GB)	xiaomi	13774	792	79 ##
Nokia C21 Plus (4GB RAM + 64GB)	nokia	8999	793	76 ##
OneDive Need N200	onon1	10000	70.4	64
OnePlus Nord N300	oneplus	18990	794	75
Tecno Camon 19 Neo	tecno	14999	795	## 77

Realme Narzo 50i Prime	realme	7999	796	## 61
Xiaomi Redmi K50 Ultra 5G	xiaomi	39999	797	
OPPO A57 4G	орро	11990	798	##
Infinix Note 12 (6GB RAM + 128GB)	infinix	12999	799	
Samsung Galaxy S23 FE 5G	samsung	54999	800	
Samsung Galaxy M51s 5G	samsung	24990	801	
Vivo X80 5G (12GB RAM + 256GB)	vivo	59999	802	
Poco X6 Pro 5G	росо	19999	803	
Infinix Note 12 (G96)	infinix	16999	804	72 ##
Samsung Galaxy M14	samsung	14999	805	79 ##
Vivo T2 Pro 5G	vivo	29990	806	60 ##
Xiaomi Redmi 10 Prime Plus 5G	xiaomi	13990	807	76
Aldomi Reami 10 11 line 1 1d3 30	XIGOIIII	13330	007	69
Xiaomi Redmi Note 11 Pro 4G	xiaomi	17999	808	## 81
Realme Narzo 50A Prime	realme	11399	809	## 73
Vivo Y55s 5G	vivo	19990	810	
Vivo Y21T	vivo	15499	811	
Gionee K10	gionee	6999	812	##
Xiaomi Redmi Note 10 Lite (4GB RAM + 128GB)	xiaomi	12499	813	
Apple iPhone 13 (512GB)	apple	91999	814	
Infinix Hot 11S	infinix	9690	815	
Realme GT Explorer Master Edition	realme	32990	816	
Xiaomi Mi 12 5G	xiaomi	42990	817	85 ##
CAT S22 Flip	cat	14999	818	87 ##
VI 1 11 42 11 /22 21 22 22 22 22 22 22 22 22 22 22 22 2		40505	015	NA
Xiaomi Mi 11 Lite (8GB RAM + 128GB)	xiaomi	18699	819	82
Realme Q3i 5G	realme	10990	820	## 76

## 85	821	30990	xiaomi	Xiaomi Mi 11X Pro
	822	59999	lenovo	Lenovo Legion Pro 2
	823	23999	samsung	Samsung Galaxy M62
	824	9999	realme	Realme Q2i
##	825	119900	apple	Apple iPhone 12 Pro (256GB)
	826	9299	xiaomi	Xiaomi Redmi 9i (4GB RAM + 128GB)
	827	12989	realme	Realme 6 (6GB RAM + 64GB)
77 ## NA	828	4999	samsung	Samsung Galaxy A01 Core
##	829	29990	орро	Oppo Reno 5
	830	12490	oppo	Oppo A31 2020 (6GB RAM + 128GB)
	831	27999	sony	Sony Xperia 10 II
	832	8199	vivo	Vivo Y91c
	833	21990	huawei	Huawei Nova 7i
	834	20000	vivo	Vivo Y19
	835	11990	vivo	Vivo U3 (6GB RAM + 64GB)
	836	11989	xiaomi	Xiaomi Redmi Note 9
	837	11490	xiaomi	Xiaomi Redmi 8 (4GB RAM + 64GB)
	838	11490	motorola	Motorola One Macro
	839	15999	google	Google Pixel 3a XL
	840	17990	samsung	Samsung Galaxy A40
	841	78990	samsung	Samsung Galaxy S10 5G
	842	10949	huawei	Huawei Honor 9N
	843	10300	xiaomi	Xiaomi Redmi Note 4
	844	45999	doogee	Doogee V Max
	845	21990	huawei	Huawei Nova Y61
63				

iQ00 Z9	iqoo	19990	846	## 76
Vivo V29	vivo	32990	847	
Poco M5 (6GB RAM + 128GB)	poco	14499	848	
Nokia X30	nokia	41990	849	
Tecno Pova Neo 2	tecno	13990	850	
Vivo Y15C (3GB RAM + 64GB)	vivo	10490	851	
Huawei Nova 10	huawei	29990	852	
Huawei Nova Y90	huawei	22990	853	
Samsung Galaxy A92 5G	samsung	47990	854	
Infinix Note 12 VIP	infinix	19999	855	
OnePlus Nord 4 5G	oneplus	29999	856	
Realme Narzo 50A Prime (4GB RAM + 128GB)	realme	11879	857	
OnePlus Ace 5G	oneplus	28990	858	
iQOO 9 5G (12GB RAM + 256GB)	iqoo	39990	859	
Xiaomi Redmi Note 12T 5G	xiaomi	15999	860	
Oppo A96 5G	орро	22990	861	
Royole FlexPai 3 5G	royole	149999	862	
Tecno Camon 18	tecno	11499	863	
Tecno Phantom X Pro	tecno	22999	864	
Tecno Spark 8T	tecno	7999	865	
Realme GT Neo2 5G	realme	31999	866	
Sony Xperia 10 III Lite 5G	sony	30990	867	
Realme G1	realme	7999	868	
Tecno Pova 2	tecno	10999	869	
Poco X4	росо	14990	870	

## 77	871	14499	motorola	Motorola Moto G40 Fusion
##	872	44999	oneplus	OnePlus 9T
	873	17999	realme	Realme 8 (8GB RAM + 128GB)
	874	19999	realme	Realme Narzo 30 Pro 5G (8GB RAM +128GB)
83 ##	875	3999	itel	Itel A23 Pro
NA ##	876	101999	samsung	Samsung Galaxy S21 Ultra 5G (12GB RAM + 128GB)
NA			_	
## 84	877	38700	oppo	Oppo Reno 5 Pro 5G
	878	19999	oneplus	OnePlus Nord SE
##	879	10999	samsung	Samsung Galaxy M12
	880	16990	oneplus	OnePlus Nord N100
	881	55999	apple	Apple iPhone 12 Mini (256GB)
75 ##	882	67999	apple	Apple iPhone 12 (256GB)
76				rr - ()
	883	9999	орро	OPPO A15
	884	14439	xiaomi	Xiaomi Redmi Note 9 Pro (4GB RAM + 128GB)
	885	9990	орро	Oppo A12
##	886	24999	realme	Realme X50 Pro 5G (8GB RAM + 128GB)
	887	85990	samsung	Samsung Galaxy S20 Plus 5G
NA ##	888	480000	xiaomi	Xiaomi Redmi K20 Pro Signature Edition
88 ##	889	16999	xiaomi	Xiaomi Redmi Note 8 Pro
78	890	8999	realme	Realme A1
NA	050	0333	i caime	Redaine Ma
	891	15990	орро	OPPO A73
##	892	3890	lyf	Lyf Earth 2
	893	84990	apple	Apple iPhone 15 Plus
	894	21999	vivo	Vivo Y55s 2023
	895	8999	lava	Lava Blaze NXT
66				

99 tecno Tecno Camon 20 Pro	remier
90 oppo OPPO Reno 8 House of Dragon Ed	dition
22 motorola Motorola Motorola Motorola	o E22s
99 xiaomi Xiaomi Redmi A1 Plus (3GB RAM + 3	32GB)
99 infinix Infinix Ho	ot 20i
90 tecno Tecno Spark 9 (3GB RAM + 0	64GB)
99 zte ZTE Axo	on 30S
99 honor Hono	nor X6
99 xiaomi Xiaomi C	Civi 2
90 tcl TCL	. Ion X
80 samsung Samsung Galaxy Z Fold 4 (12GB RAM +	+ 1TB)
90 nothing Nothing Phone 1	1 Lite
90 motorola Motorola Moto Edge X30	.30 Pro
90 oneplus OnePlus Acc	ice Pro
90 realme Realme GT 2 Explorer Master Ed:	dition
99 samsung Samsung Galax	xy M35
90 samsung Samsung Galax	xy A05
99 infinix Infinix Note 12	Turbo
99 poco POCO F5 (GT 5G
·	Z8 5G
90 vivo Vivo Y	
90 vivo Vivo X Fold 5G (12GB RAM + 5	
90 oppo C100 Oppo K10 Pi	·
99 tecno Tecno Spa	
99 iqoo iQOO 7	77 5G

## ⁹	921	12799	infinix	Infinix Note 11 (6GB RAM + 128GB)
## 9 86	922	26999	xiaomi	Xiaomi 11i HyperCharge 5G (8GB RAM + 128GB)
## 9 82	923	22999	samsung	Samsung Galaxy F42 5G (8GB RAM + 128GB)
	924	147900	apple	Apple iPhone 13 Pro (1TB)
## 9	925	44999	nubia	Nubia Red Magic 6S 5G
84 ## 9	926	7790	micromax	Micromax IN 2B (6GB RAM + 64GB)
68 ## 9	927	39990	nokia	Nokia X60 5G
87 ## 9	928	9999	vivo	Vivo Y12a
65 ## 9	929	22990	орро	Oppo Reno 5A
80 ## 9	930	32999	росо	Poco F3 GT
79 ## 9	931	32990	honor	Honor 50
85 ## 9	932	14999	орро	OPPO A54 (6GB RAM + 128GB)
74 ## 9	933	12499	realme	Realme 8i
74 ## 9	934	39990	iqoo	iQOO 7 Legend
84 ## 9	935	6499	realme	Realme C11 2021
61 ## 9	936	18499	samsung	Samsung Galaxy A22
76 ## 9	937	30994	realme	Realme GT 5G
85 ## 9	938	32999	google	Google Pixel 5A
78 ## 9	939	10499	samsung	Samsung Galaxy F12
73 ## 9	940	19999	samsung	Samsung Galaxy F41 (6GB RAM + 128GB)
82 ## 9	941	17499	samsung	Samsung Galaxy A21s (6GB RAM + 128GB)
75 ## 9	942	10990	xiaomi	Xiaomi Redmi 9A (6GB RAM + 128GB)
69 ## 9	943	19000	vivo	Vivo V20 SE
82 ## 9		13990	орро	OPPO A53 2020 (6GB RAM + 128GB)
70 ## 9		10499	realme	Realme Narzo 20
72		20 100	· caime	Red Line Hall 20 20

itel Vision 1 (3GB RAM + 32GB)	itel	5890	946	## NA
Realme C11	realme	6490	947	
Xiaomi Mi 10 5G (8GB RAM + 256GB)	xiaomi	54999	948	
Vivo Y21 (2020)	vivo	9990	949	##
OnePlus Z	oneplus	24999	950	
Sharp Aquos R5G	sharp	59990	951	
Huawei Mate 30 RS Porsche Design	huawei	214990	952	
Samsung Galaxy A11	samsung	9990	953	
Realme C2	realme	6999	954	63 ##
Huawei Mate X	huawei	169000	955	NA ##
Samsung Galaxy A9 Pro (2019)	samsung	39990	956	NA ##
Samsung Galaxy A7 (2018)	samsung	21490	957	78 ##
Vivo Y55S	vivo	13490	958	70
Poco C55		7999	959	NA
	poco			70
Blackview BV5200 Pro	blackview	8990	960	67
Honor X7a	honor	13999	961	## 75
OPPO A58x	oppo	13990	962	## 72
Doogee S99	doogee	14999	963	## 84
Lava X3	lava	6999	964	## NA
Motorola Edge 40 Fusion	motorola	42990	965	
iKall Z18	ikall	6799	966	
Oukitel WP9	oukitel	25899	967	##
Xiaomi 14	xiaomi	54999	968	
Motorola ThinkPhone	motorola	49990	969	
Xiaomi Civi 3	xiaomi	32990	970	
				86

## 971 64	8720	realme	F	Realme Narzo 50i	Prime (4GB RAM + 64GB)		
## 972 89	69990	орро			Oppo Find X6		
## 973	4787	itel			itel A23s		
NA ## 974	70990	google	Google Pixel 8 Pro				
80 ## 975	119990	vivo			Vivo X Fold 2		
NA ## 976	34990	motorola	Motorola Moto Edge S30 Pro				
83 ## 977	14990	honor			Honor X8 5G		
75 ## 978	28990	росо		POCO X4 G	T 5G (8GB RAM + 256GB)		
85 ## 979	19990	motorola			Motorola Moto G91 5G		
80 ## 980	24990				Samsung Galaxy M52s 5G		
74		samsung					
##			ir_blaster	processor_brand	num_cores		
	or_spee				_		
## 1	True	True	False	snapdragon	8		
3.20 ## 2	True	False	False	snapdragon	8		
2.20 ## 3	True	False	False	exynos	8		
2.40 ## 4	True	False	False	snapdragon	8		
2.20							
## 5 2.60	True	False	False	dimensity	8		
## 6 2.20	True	True	False	snapdragon	8		
## 7 3.22	True	True	False	bionic	6		
## 8	True	False	True	dimensity	8		
2.60 ## 9	True	True	False	snapdragon	8		
2.50 ## 10	True	True	False	dimensity	8		
3.00 ## 11	True	False	False	snapdragon	8		
2.20				_			
## 12 2.20	True	True	False	dimensity	8		
## 13 2.60	True	False	True	dimensity	8		
## 14 2.20	True	False	False	snapdragon	8		

## 15 3.20	True	True	False	snapdragon	8
## 16	True	True	False	bionic	6
3.22 ## 17	False	False	False	helio	8
2.30	. 4150	1 4150		116110	J
## 18 3.20	True	True	False	snapdragon	8
## 19	True	True	False	dimensity	8
2.85 ## 20	False	False	False	helio	8
2.00					
## 21 3.20	True	True	False	snapdragon	8
## 22	True	False	False	dimensity	8
3.00 ## 23	True	False	True	snapdragon	8
2.20				. •	
## 24 2.00	True	False	True	snapdragon	8
## 25	True	True	False	dimensity	8
3.20	Tnuo	Tnuo	Ealco	cnandnagon	0
## 26 2.84	True	True	False	snapdragon	8
## 27	True	False	False	snapdragon	8
2.20 ## 28	True	True	False	bionic	6
NA	-	- 1	- 1		
## 29 2.00	True	False	False	dimensity	8
## 30	True	True	False	snapdragon	8
3.20 ## 31	True	False	False	snapdragon	8
2.20				. •	
## 32 2.40	True	True	True	snapdragon	8
## 33	True	False	False	dimensity	8
2.20 ## 34	False	True	False	bionic	6
2.65					
## 35 2.40	True	False	False	dimensity	8
## 36 2.90	True	True	False	exynos	8
## 37 2.20	True	True	False	snapdragon	8
## 38	True	True	False	snapdragon	8
3.00 ## 39	True	False	True	snapdragon	8
2.36					

## 40	True	True	False	snapdragon	8	
2.40 ## 41	True	True	False	snapdragon	8	
2.20 ## 42	True	False	True	snapdragon	8	
2.20	II ue	1 4136	True	Shapur agon	8	
## 43 2.40	True	True	False	dimensity	8	
## 44	True	False	False	dimensity	8	
2.60 ## 45	False	False	False	snapdragon	8	
2.40						
## 46 2.40	True	True	False	exynos	8	
## 47	False	False	True	snapdragon	8	
2.40 ## 48	False	False	False	unisoc	8	
1.80					_	
## 49 2.30	False	False	False	helio	8	
## 50	True	True	False	snapdragon	8	
2.36 ## 51	True	False	False	exynos	8	
2.40	TT GC	ruise	1 4130	ckynos	J	
## 52	True	True	True	dimensity	8	
3.10 ## 53	True	False	False	snapdragon	8	
2.20	Tnuo	True	False	cnandnagon	0	
## 54 2.20	True	rrue	raise	snapdragon	8	
## 55	False	False	False	helio	8	
2.20 ## 56	True	False	False	dimensity	8	
2.40				•		
## 57 3.22	True	True	False	bionic	6	
## 58	False	False	True	helio	8	
2.05 ## 59	True	True	False	snapdragon	8	
3.20				2apa.: aBa	•	
## 60 2.40	False	False	False	snapdragon	8	
## 61 2.00	True	True	True	dimensity	8	
## 62	True	True	False	snapdragon	8	
3.20 ## 63	False	False	False	snapdragon	8	
2.40	F - 3	F - 3	- 3		0	
## 64 2.00	False	False	False	helio	8	

## 65 2.40	True	False	True	dimensity	8
## 66	True	True	False	dimensity	8
3.10 ## 67	True	True	False	snapdragon	8
3.00 ## 68	True	False	True	dimensity	8
2.60				•	
## 69 2.20	True	True	False	snapdragon	8
## 70 3.20	True	True	False	snapdragon	8
## 71	False	False	False	helio	8
2.30 ## 72	True	False	False	dimensity	8
2.50				•	
## 73 2.00	True	False	False	snapdragon	8
## 74 3.20	True	True	False	snapdragon	8
## 75	True	False	True	dimensity	8
2.20 ## 76	False	False	False	tiger	4
2.00 ## 77	True	True	False	bionic	6
3.22 ## 78	True	False	False	snapdragon	8
2.20				. •	
## 79 NA	True	True	False	exynos	8
## 80	False	False	False	helio	8
2.00 ## 81	False	True	False	helio	8
2.20	T	F-1	5 -1		0
## 82 2.40	True	False	False	exynos	8
## 83 2.40	True	False	False	dimensity	8
## 84	True	False	False	snapdragon	8
2.20 ## 85	True	False	False	dimensity	8
2.20 ## 86	Tnuo	True	False	cnandnagon	8
2.50	True	True	raise	snapdragon	0
## 87 2.20	True	False	False	snapdragon	8
## 88 2.40	True	False	False	dimensity	8
## 89 2.40	False	False	True	snapdragon	8
2.70					

## 90 2.40	True	True	False	snapdragon	8
## 91	False	False	False	helio	8
2.30 ## 92	True	True	False	dimensity	8
2.85 ## 93	True	False	False	snapdragon	8
2.20				. •	
## 94 3.20	True	True	True	snapdragon	8
## 95 1.80	False	False	False	unisoc	8
## 96	False	False	False	snapdragon	8
2.40 ## 97	False	False	False	helio	8
2.30					
## 98 3.20	True	True	False	snapdragon	8
## 99 3.00	True	True	False	snapdragon	8
## 100	True	False	False	snapdragon	8
2.20 ## 101	True	True	False	bionic	6
NA ## 102	True	False	True	snapdragon	8
2.40					
## 103 2.90	True	False	False	snapdragon	8
## 104 2.40	True	False	False	dimensity	8
## 105	True	False	False	dimensity	8
2.40 ## 106	True	True	True	snapdragon	8
3.20 ## 107	True	False	False	dimensity	8
3.20				•	
## 108 3.00	True	True	False	snapdragon	8
## 109	False	False	False	snapdragon	8
2.40 ## 110	True	True	False	dimensity	8
2.85 ## 111	True	True	False	dimensity	8
3.05				-	
## 112 3.10	True	True	False	bionic	6
## 113 2.85	True	False	True	dimensity	8
## 114	True	True	False	exynos	8
2.40					

## 115 2.00	False	False	False	helio	4
## 116	True	True	False	dimensity	8
3.00 ## 117	True	False	False	dimensity	8
2.40 ## 118	True	False	False	snapdragon	8
2.40 ## 119	True	True	False	<na></na>	8
NA ## 120	True	True	False	snapdragon	8
3.20	ii ue	True		Shapur agon	o
## 121 3.00	True	True	False	snapdragon	8
## 122 3.00	True	True	False	dimensity	8
## 123 NA	True	True	False	google	8
## 124	True	False	False	dimensity	8
2.40 ## 125	True	True	False	exynos	8
2.40 ## 126	True	False	False	dimensity	8
2.50 ## 127	False	True	False	snapdragon	8
2.40 ## 128	True	False	False	snapdragon	8
2.20	True			Shapur agon	
## 129 2.40	True	True	False	exynos	8
## 130	True	True	False	google	8
NA ## 131	True	False	True	dimensity	8
2.20				•	
## 132 2.30	False	False	True	snapdragon	8
## 133	False	False	False	tiger	8
1.80 ## 134	True	True	False	snapdragon	8
2.50 ## 135	True	False	True	snapdragon	8
2.20	iiue	1 4136	Ti de	Shapur agon	O
## 136 2.20	True	False	True	snapdragon	8
## 137 2.65	False	True	False	bionic	6
## 138 1.80	False	False	False	tiger	8
## 139 2.40	False	False	False	snapdragon	8
2.40					

## 140 3.20	True	False	True	snapdragon	8	
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2.20 ## 142	True	True	False	dimensity	8	
2.85				•		
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## 144 1.40	False	False	False	<na></na>	4	
## 145	False	False	False	snapdragon	8	
1.80						
## 146 2.30	False	False	False	helio	8	
## 147 3.20	True	True	False	snapdragon	8	
## 148	True	True	False	exynos	8	
2.40 ## 149	False	False	False	snapdragon	8	
2.40	. 4250	. 4150	. 4150	5apai aBoii	J	
## 150 3.10	True	True	False	bionic	6	
## 151	True	False	True	snapdragon	8	
2.00 ## 152	False	True	False	snapdragon	8	
2.40				. •		
## 153 NA	True	True	False	bionic	NA	
## 154	True	True	False	snapdragon	8	
3.00 ## 155	True	False	False	dimensity	8	
2.60		- 3				
## 156 1.82	False	False	False	tiger	8	
## 157 2.20	True	False	False	snapdragon	8	
## 158	True	False	False	snapdragon	8	
3.00 ## 159	True	True	False	snapdragon	8	
3.20		11 40	. 4150	Shapar agon	3	
## 160 2.40	False	False	False	snapdragon	8	
## 161	False	False	False	helio	8	
2.20 ## 162	True	True	False	bionic	6	
3.22						
## 163 3.20	True	True	False	snapdragon	8	
## 164	True	True	True	dimensity	8	
3.05						

## 165 2.00	False	True	False	exynos	8
## 166	False	False	True	helio	8
2.05 ## 167	False	False	False	helio	8
2.20 ## 168	True	True	False	snapdragon	8
2.84 ## 169	True	False	False	dimensity	8
2.40 ## 170	False	False	False	tiger	4
2.00					
## 171 2.36	True	False	True	snapdragon	8
## 172 2.50	True	False	False	dimensity	8
## 173 2.00	True	False	False	snapdragon	8
## 174 2.65	False	True	False	bionic	6
## 175	True	False	False	snapdragon	8
2.00 ## 176	False	False	True	helio	8
2.05 ## 177	False	False	False	helio	8
2.00 ## 178	True	False	False	dimensity	8
2.20 ## 179	True	False	False	dimensity	8
2.00	_				
## 180 2.05	False	False	True	helio	8
## 181 2.50	True	False	False	dimensity	8
## 182 2.00	False	False	False	helio	4
## 183 3.20	True	True	False	snapdragon	8
## 184	True	True	False	snapdragon	8
2.20 ## 185	True	False	False	dimensity	8
2.20 ## 186	True	True	False	dimensity	8
3.10 ## 187	True	True	False	snapdragon	8
2.20 ## 188	False	False	False	<na></na>	4
1.60 ## 189	False	False	False	tiger	4
1.80			_	- 0	

## 190 2.00	False	False	False	helio	8
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2.00 ## 192	True	False	False	snapdragon	8
2.84				, 0	
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## 194 2.90	True	True	False	snapdragon	8
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## 196	True	True	False	dimensity	8
2.85	_		- 1		
## 197 2.20	True	False	False	snapdragon	8
## 198 2.20	True	False	True	snapdragon	8
## 199 2.30	False	False	False	helio	8
## 200	False	False	False	snapdragon	8
2.40 ## 201	False	False	False	<na></na>	8
2.00 ## 202	True	True	False	snapdragon	8
3.20					
## 203 3.20	True	True	True	snapdragon	8
## 204 2.40	False	True	False	snapdragon	8
## 205	True	False	True	dimensity	8
2.20 ## 206	True	True	False	snapdragon	8
2.50 ## 207	True	True	False	exynos	8
NA ## 208	False	False	False	helio	8
2.20 ## 209	True	False	True	dimensity	8
2.60	TT GC	1 4130	Truc	dimensity	3
## 210 NA	True	True	False	bionic	6
## 211	True	False	False	dimensity	8
3.00 ## 212	True	False	False	dimensity	8
2.40 ## 213	True	False	False	snapdragon	8
2.20 ## 214	True	False	False	dimensity	8
2.20					

## 215 2.20	True	True	True	snapdragon	8
## 216	True	True	False	google	8
2.85 ## 217	False	False	False	helio	8
2.00					
## 218 3.00	True	False	False	dimensity	8
## 219 2.30	False	False	False	helio	8
## 220	True	True	True	snapdragon	8
3.20	_				_
## 221 2.50	True	False	False	dimensity	8
## 222 2.40	True	False	False	dimensity	8
## 223	True	True	False	snapdragon	8
2.50 ## 224	False	False	True	snapdragon	8
2.40				, 0	
## 225 NA	False	False	False	helio	8
## 226	False	False	False	helio	8
2.30 ## 227	True	False	False	dimensity	8
2.40					
## 228 3.20	True	False	False	snapdragon	8
## 229	True	True	False	dimensity	8
2.85 ## 230	True	True	False	snapdragon	8
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## 231 3.20	True	True	True	snapdragon	8
## 232	False	False	False	snapdragon	8
2.40 ## 233	False	False	True	snapdragon	8
2.40				. •	0
## 234 2.20	True	False	False	dimensity	8
## 235	False	False	False	snapdragon	8
2.40 ## 236	True	True	True	snapdragon	8
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## 237 2.30	False	False	False	helio	8
## 238	True	True	False	snapdragon	8
2.20 ## 239	False	False	False	helio	8
2.05					

## 240 2.60	True	True	True	dimensity	8	
## 241 2.30	False	False	False	helio	8	
## 242	True	True	False	snapdragon	8	
NA ## 243	True	False	False	snapdragon	8	
2.40 ## 244	True	True	False	google	8	
2.85 ## 245	True	False	True	dimensity	8	
2.40	_	_	_			
## 246 2.40	False	False	False	snapdragon	8	
## 247 3.22	True	True	False	bionic	6	
## 248 2.20	True	True	False	dimensity	8	
## 249 3.20	True	True	False	snapdragon	8	
## 250 2.00	False	False	False	helio	8	
## 251	True	True	False	dimensity	8	
3.05 ## 252	False	True	False	helio	8	
2.20 ## 253	True	False	False	snapdragon	8	
2.20 ## 254	True	False	True	snapdragon	8	
2.20						
## 255 2.20	True	True	False	snapdragon	8	
## 256 NA	True	True	False	exynos	8	
## 257 3.00	True	True	False	snapdragon	8	
## 258 2.00	True	False	False	snapdragon	8	
## 259	False	True	False	helio	8	
2.00 ## 260	True	False	True	dimensity	8	
2.20 ## 261	True	False	False	dimensity	8	
2.40 ## 262	False	False	False	helio	8	
2.30 ## 263	False	True	False	bionic	NA	
NA ## 264	True	True	False	exynos	8	
2.40	. i uc	ii ac	1 4136	CAYIIOS	J	

## 265 2.40	True	False	False	dimensity	8	
## 266 3.00	True	True	False	dimensity	8	
## 267	True	True	False	snapdragon	8	
3.20 ## 268	False	False	True	snapdragon	8	
2.30 ## 269	True	True	False	snapdragon	8	
3.20 ## 270	False	False	False	helio	8	
2.00						
## 271 2.80	True	True	False	google	8	
## 272 2.00	False	False	False	helio	8	
## 273 2.20	True	False	True	dimensity	8	
## 274	True	False	True	snapdragon	8	
2.20 ## 275	True	True	True	snapdragon	8	
3.00 ## 276	True	True	False	bionic	6	
3.22						
## 277	False	False	False	helio	8	
2.00 ## 278	False	False	False	tiger	8	
1.82 ## 279	True	True	False	snapdragon	8	
3.20	_	- 1	- 1		0	
## 280 2.40	True	False	False	dimensity	8	
## 281	False	True	False	bionic	NA	
NA ## 282	True	False	True	dimensity	8	
2.20 ## 283	True	True	False	dimensity	8	
3.10 ## 284	False	False	False	snapdragon	8	
2.40 ## 285	True	False	True	dimensity	8	
2.60		. 4150	11 40	a i merio i ey	J	
## 286 2.40	True	True	True	snapdragon	8	
## 287 2.20	False	False	False	helio	8	
## 288	True	False	False	dimensity	8	
2.40 ## 289	True	True	False	bionic	6	
NA						

## 290 2.00	False	False	False	exynos	8
## 291	True	False	True	dimensity	8
2.40 ## 292	False	False	True	helio	8
2.05 ## 293	False	False	False	sc9863a	8
1.60 ## 294	True	False	False	snapdragon	8
2.20 ## 295	True	True	False	snapdragon	8
3.20				-	
## 296 2.20	True	False	False	snapdragon	8
## 297 3.20	True	True	True	snapdragon	8
## 298 2.00	False	False	False	helio	8
## 299	False	False	False	helio	8
2.30	True	False	True	dimensity	8
2.85 ## 301	False	False	False	tiger	8
1.82 ## 302	True	True	False	snapdragon	8
2.20 ## 303	False	False	False	snapdragon	8
2.40 ## 304	True	True	True	snapdragon	8
2.40					
## 305 2.84	True	True	False	snapdragon	8
## 306 3.10	True	True	False	bionic	6
## 307 3.20	True	True	False	snapdragon	8
## 308	False	False	False	<na></na>	8
2.00	True	True	False	dimensity	8
2.00	True	True	False	snapdragon	8
2.84 ## 311	True	True	False	exynos	8
2.40 ## 312	True	True	False	snapdragon	8
3.00 ## 313	True	True	False	snapdragon	8
2.20 ## 314	False	False	False	. <na></na>	4
1.30					

## 315 2.40	True	False	False	dimensity	8
## 316	True	False	False	dimensity	8
2.20 ## 317	True	True	True	dimensity	8
3.20 ## 318	True	True	False	snapdragon	8
2.20				. •	
## 319 3.20	True	True	False	snapdragon	8
## 320 3.20	True	True	False	snapdragon	8
## 321	True	False	False	snapdragon	8
2.84 ## 322	True	True	False	bionic	6
3.22 ## 323	True	True	False	exynos	8
2.40				·	
## 324 2.30	False	False	False	helio	8
## 325	True	True	False	google	8
2.80 ## 326	False	False	True	snapdragon	8
2.30 ## 327	True	True	False	exynos	8
2.90 ## 328	False	False	False	helio	8
2.30	F-1	F-1	Falsa		0
## 329 2.40	False	False	False	snapdragon	8
## 330 2.20	True	False	False	snapdragon	8
## 331	True	False	False	snapdragon	8
2.40 ## 332	True	True	False	snapdragon	8
2.40 ## 333	True	False	False	snapdragon	8
2.40 ## 334	True	True	False	snapdragon	8
3.20				. •	
## 335 2.00	False	False	False	helio	8
## 336 1.60	False	False	False	unisoc	4
## 337	False	True	False	snapdragon	8
2.30	True	True	False	snapdragon	8
2.84	False	False	True	helio	8
2.05					

## 340 2.30	False	False	False	helio	8
## 341	True	True	False	dimensity	8
2.40 ## 342	False	False	False	helio	8
2.30 ## 343	False	False	True	helio	8
2.05					
## 344 2.20	True	True	False	snapdragon	8
## 345 3.22	True	True	False	bionic	6
## 346 3.20	True	True	False	snapdragon	8
## 347	True	True	True	dimensity	8
3.05 ## 348	True	True	False	snapdragon	8
2.20 ## 349	False	False	False	helio	8
2.30 ## 350	False	False	False	helio	8
2.00 ## 351	False	False	False	snapdragon	4
1.30					
## 352 2.00	False	False	False	helio	8
## 353 3.20	True	True	True	snapdragon	8
## 354	False	False	False	unisoc	8
1.60 ## 355	False	False	False	snapdragon	8
2.40 ## 356	False	False	False	helio	8
2.30	raise	raise	raise		0
## 357 2.00	False	False	True	helio	8
## 358 3.20	True	True	False	snapdragon	8
## 359	False	False	False	snapdragon	8
2.40 ## 360	True	True	True	snapdragon	8
3.20 ## 361	True	False	False	snapdragon	8
2.90 ## 362	True	True	False	bionic	6
3.10 ## 363	True	False	False	snapdragon	8
NA					
## 364 3.05	True	True	False	dimensity	8

## 365 3.20	True	True	False	snapdragon	8
## 366	False	False	False	helio	8
2.30 ## 367	True	True	False	exynos	8
2.90 ## 368	True	False	True	dimensity	8
2.40 ## 369	True	True	False	snapdragon	8
2.84 ## 370	True	False	False	snapdragon	8
2.40				2b.m. 2.02	-
## 371 2.30	False	False	True	snapdragon	8
## 372 2.73	False	True	False	exynos	8
## 373 2.80	False	True	False	snapdragon	8
## 374 2.70	False	True	False	exynos	8
## 375	True	False	False	dimensity	8
2.20 ## 376	False	False	False	snapdragon	8
2.40 ## 377	True	True	False	snapdragon	8
2.84 ## 378	True	True	False	exynos	8
2.90 ## 379	False	False	False	snapdragon	8
2.20					
## 380 2.30	False	False	False	helio	8
## 381 NA	False	False	False	unisoc	8
## 382 2.00	False	False	False	unisoc	8
## 383	True	False	False	snapdragon	8
2.20 ## 384	True	False	False	snapdragon	8
2.40 ## 385	True	False	False	dimensity	8
2.50 ## 386	False	False	False	exynos	8
2.00 ## 387	False	False	False	snapdragon	8
2.40 ## 388	True	False	False	dimensity	8
2.20 ## 389	False	False	False	snapdragon	8
2.00				. •	

## 390 3.20	True	True	False	dimensity	8
## 391	False	False	False	helio	8
2.00 ## 392	False	True	False	helio	8
2.00					0
## 393 2.20	True	False	False	snapdragon	8
## 394 2.30	False	False	True	snapdragon	8
## 395	True	True	False	dimensity	8
2.20 ## 396	True	False	True	dimensity	8
2.40 ## 397	False	False	False	spreadtrum	4
1.30				·	
## 398 3.20	True	True	False	snapdragon	8
## 399	True	True	False	bionic	8
NA ## 400	False	False	False	helio	4
2.00 ## 401	True	True	False	snapdragon	8
3.20					
## 402 2.40	False	False	False	snapdragon	8
## 403 2.40	True	False	True	dimensity	8
## 404	True	True	False	snapdragon	8
3.00 ## 405	True	True	False	dimensity	8
3.00				•	0
## 406 2.50	True	False	True	dimensity	8
## 407 3.20	True	True	False	snapdragon	8
## 408	True	False	False	snapdragon	8
2.40 ## 409	True	False	False	snapdragon	8
2.40 ## 410	False	False	False	unisoc	8
1.60					
## 411 2.00	True	True	False	snapdragon	8
## 412 3.20	True	False	True	snapdragon	8
## 413	True	True	False	dimensity	8
2.00 ## 414	True	True	False	snapdragon	8
2.84				F	

## 415 2.00	False	False	False	helio	8	
## 416	True	True	True	snapdragon	8	
2.40 ## 417	Tnuo	True	False	bionic	6	
## 417 NA	True	True	raise	DIONIC	0	
## 418	True	True	False	snapdragon	8	
2.20 ## 419	True	True	False	snapdragon	8	
3.20	11 40	11 40	1 4130	Shapar agon	J	
## 420	True	True	True	snapdragon	8	
3.20 ## 421	True	True	False	snapdragon	8	
2.50				. •		
## 422 3.00	True	True	False	snapdragon	8	
## 423	True	False	False	dimensity	8	
3.00					_	
## 424 2.30	False	False	False	helio	8	
## 425	True	True	True	snapdragon	8	
2.84	T	F-1	F-1		NIA	
## 426 NA	True	False	False	snapdragon	NA	
## 427	False	False	True	snapdragon	8	
2.20 ## 428	False	True	False	snapdragon	8	
1.50	1 0136	ii ue	1 4136	Shapur agon	0	
## 429	False	False	False	helio	8	
2.00 ## 430	False	True	False	helio	8	
2.05	ruise	11 40	14130	110110	J	
## 431	True	True	False	snapdragon	8	
3.20 ## 432	True	True	False	dimensity	8	
2.40				-		
## 433 2.00	False	False	False	helio	8	
## 434	False	False	False	helio	8	
2.30	- 1	- 1	_		0	
## 435 2.05	False	False	True	helio	8	
## 436	True	True	False	bionic	6	
3.22	F2122	Falsa	rala.	annadan as	0	
## 437 2.30	False	False	False	snapdragon	8	
## 438	False	False	True	snapdragon	8	
2.96 ## 439	False	False	False	helio	8	
2.00	1 0136	1 0136	Latze	HETTO	O	

## 440 2.00	False	False	False	helio	8	
## 441	False	True	False	helio	8	
2.00 ## 442	True	True	False	dimensity	8	
3.20 ## 443	True	False	True	dimensity	8	
2.60				-		
## 444 2.00	False	False	False	helio	4	
## 445	True	True	False	bionic	NA	
NA ## 446	False	False	False	tiger	8	
1.80	1 4136	1 0136	1 4136	cigei	8	
## 447 2.30	False	False	False	helio	8	
	True	False	False	dimensity	8	
3.05	- 1	- 1	- 1		0	
## 449 2.00	False	False	False	helio	8	
## 450	False	False	False	helio	8	
2.05 ## 451	False	False	False	helio	8	
2.30	1 4130	1 4130	1 4130	liciio	Ü	
## 452	False	False	False	helio	8	
2.00 ## 453	True	True	False	snapdragon	8	
3.20				. •		
## 454 2.30	False	True	False	helio	8	
## 455	True	True	False	snapdragon	8	
2.84	F-1	F-1	F-1	1 1.2 .	0	
## 456 2.00	False	False	False	helio	8	
## 457	False	False	True	helio	8	
2.00 ## 458	False	False	False	helio	8	
2.00						
## 459 2.96	True	False	False	snapdragon	8	
## 460	True	True	False	dimensity	8	
3.05				-		
## 461 3.20	True	True	False	snapdragon	8	
## 462	False	True	False	exynos	8	
2.00 ## 463	False	False	False	unisoc	8	
1.60						
## 464 1.82	False	False	False	tiger	8	
1.02						

## 465 3.20	True	False	False	snapdragon	8
## 466	True	True	False	snapdragon	8
2.20 ## 467	True	True	True	snapdragon	8
2.40 ## 468	False	False	False	unisoc	8
1.60 ## 469	True	False	False	helio	8
2.05 ## 470	False	False	False	helio	8
2.00 ## 471	True	True	False	snapdragon	8
2.96 ## 472	False	False	False	snapdragon	8
2.80 ## 473	False	False	False	helio	4
1.30					
## 474 1.50	False	False	False	snapdragon	8
## 475 2.00	False	False	False	tiger	8
## 476 2.00	False	False	False	helio	4
## 477 1.40	False	False	False	unisoc	4
## 478 3.20	True	True	False	snapdragon	8
## 479	False	True	True	snapdragon	8
3.20 ## 480	True	True	False	dimensity	8
2.00 ## 481	False	False	False	snapdragon	8
2.40 ## 482	True	True	False	snapdragon	8
2.84 ## 483	False	False	False	helio	8
2.30	True	True	False	snapdragon	8
3.00				. •	
## 485 2.20	False	False	False	helio	8
## 486 2.40	False	True	False	snapdragon	8
## 487 2.40	False	False	False	snapdragon	8
## 488 3.20	True	True	False	snapdragon	8
## 489 1.80	False	False	False	helio	8
1.00					

## 490 True False						
## 491 False False False True True dimensity 8 2.85 ## 493 True False False Gimensity 8 2.40 ## 494 True False False Gimensity 8 2.40 ## 495 True False False Gimensity 8 2.00 ## 497 False False False True Helio 8 2.20 ## 498 False False False False Snapdragon 8 3.20 ## 504 False False False False Snapdragon 8 2.80 ## 502 False False False False Snapdragon 8 2.50 ## 504 False False False False Helio 4 2.00 ## 505 False False False False Snapdragon 8 2.50 ## 506 False False False False Snapdragon 8 2.50 ## 507 True False False False Helio 8 2.00 ## 508 True False False False Helio 8 2.00 ## 509 True False False False Helio 8 2.00 ## 509 True False False False Snapdragon 8 2.20 ## 509 True False False False Helio 8 2.20 ## 509 True False False False Snapdragon 8 2.20 ## 509 True False False Snapdragon 8 2.20 ## 509 True False False Snapdragon 8 2.20 ## 510 True False False Snapdragon 8 2.20 ## 511 True True False Snapdragon 8 2.20 ## 512 True True False Snapdragon 8 2.20 ## 513 False False False Ealse Expros 8 2.00 ## 514 True True False Snapdragon 8 2.00 ## 515 False False False Snapdragon 8 2.00 ## 516 True True False Snapdragon 8 2.00 ## 517 True True False Snapdragon 8 2.00 ## 518 False False False Snapdragon 8 2.00 ## 518 False False False Snapdragon 8 2.00 ## 519 True True True False Snapdragon 8 2.00 ## 510 True True False Snapdragon 8 2.00 ## 511 True True False Snapdragon 8 2.00 ## 512 True True True Gimensity 8 2.00 ## 513 False False False Expros 8 2.00		True	False	True	snapdragon	8
## 492 True True True dimensity 8 2.85 ## 493 True False False dimensity 8 2.40 ## 494 True False False dimensity 8 2.20 ## 495 True False False False dimensity 8 2.20 ## 496 False False False True helio 8 2.20 ## 497 False False False True helio 8 2.20 ## 498 False False False Snapdragon 8 3.20 ## 499 True True False Snapdragon 8 3.20 ## 501 False True False False Snapdragon 8 2.35 ## 502 False False False False Snapdragon 8 2.50 ## 503 True True False Snapdragon 8 2.60 ## 504 False False False False helio 4 2.00 ## 505 False False False False helio 8 2.00 ## 506 False False False False helio 8 2.00 ## 507 True False False False helio 8 2.00 ## 508 True False False False Snapdragon 8 2.20 ## 509 True False False Snapdragon 8 2.20 ## 510 True False False Snapdragon 8 2.20 ## 511 True True False Snapdragon 8 2.20 ## 512 True True False Snapdragon 8 2.20 ## 513 False False False Ealse Exynos 8 2.00 ## 513 False False False Exynos 8 2.00 ## 514 True True True Gimensity 8	## 491	False	False	False	<na></na>	8
## 493	## 492	True	True	True	dimensity	8
## 494		True	False	False	dimensity	8
2.20 ## 495	2.40				-	
2.00 ## 496 False False False True helio 8 2.20 ## 497 False False False False tiger 8 1.82 ## 498 False False False False helio 8 2.00 ## 499 True True False Snapdragon 8 3.20 ## 500 False True False Snapdragon 8 2.80 ## 501 False True False Snapdragon 8 2.35 ## 502 False False False False helio 4 2.00 ## 503 True True False Snapdragon 8 2.50 ## 504 False False False False helio 8 2.00 ## 505 False False False False helio 8 2.00 ## 506 False False False False helio 8 2.20 ## 507 True False False False dimensity 8 2.20 ## 508 True False False Snapdragon 8 2.20 ## 509 True False Snapdragon 8 3.20 ## 510 True True False Snapdragon 8 3.20 ## 511 True True False Snapdragon 8 3.20 ## 513 True True True dimensity 8 2.60 ## 513 False False False Snapdragon 8 3.20 ## 513 False False False Ealse Snapdragon 8 3.20 ## 513 False False False Ealse Ealse Snapdragon 8 3.20 ## 513 False False False Ealse Ealse Ealse Snapdragon 8 3.20 ## 513 False False False Ealse Eal		True	False	False	dimensity	8
## 496 False False False True helio 8 2.20 ## 497 False False False False tiger 8 1.82 ## 498 False False False False helio 8 2.00 ## 499 True True False snapdragon 8 3.20 ## 500 False True False snapdragon 8 2.35 ## 501 False False False False helio 4 2.00 ## 503 True True False snapdragon 8 2.36 ## 504 False False False False helio 8 2.00 ## 505 False False False False helio 8 2.00 ## 506 False False False False helio 8 2.00 ## 507 True False False False helio 8 2.00 ## 508 True False False False snapdragon 8 2.20 ## 509 True False False Salse		True	False	False	dimensity	8
## 497 False False False False tiger 8 1.82 ## 498 False False False False helio 8 2.00 ## 499 True True False snapdragon 8 3.20 ## 500 False True False snapdragon 8 2.80 ## 501 False True False snapdragon 8 2.35 ## 502 False False False helio 4 2.00 ## 503 True True False snapdragon 8 2.50 ## 504 False False False helio 8 2.00 ## 505 False False False helio 8 2.00 ## 506 False False False helio 8 2.00 ## 507 True False False helio 8 2.00 ## 508 True False False helio 8 2.00 ## 509 True False False snapdragon 8 2.20 ## 509 True False False snapdragon 8 2.20 ## 510 True False False snapdragon 8 2.20 ## 510 True True False snapdragon 8 3.20 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	## 496	False	False	True	helio	8
## 498 False False False False helio 8 2.00 ## 499 True True False snapdragon 8 3.20 ## 500 False True False snapdragon 8 2.80 ## 501 False True False snapdragon 8 2.35 ## 502 False False False False helio 4 2.00 ## 503 True True False False helio 8 2.00 ## 505 False False False False helio 8 2.00 ## 507 True False False False helio 8 2.00 ## 508 True False False False snapdragon 8 2.20 ## 509 True False False False snapdragon 8 2.20 ## 510 True True False Snapdragon 8 2.20 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True True False dimensity 8 2.00 ## 515 True True True Gimensity 8 2.00 ## 516 False False False snapdragon 8 3.20 ## 517 True True True Gimensity 8 2.00 ## 518 False False False exynos 8 2.00 ## 519 True True True Gimensity 8 2.00 ## 510 True True True Gimensity 8 2.00 ## 511 True True True Gimensity 8 2.00 ## 512 True True True Gimensity 8 2.00 ## 513 False False False exynos 8 2.00 ## 514 True True True False dimensity 8 3	## 497	False	False	False	tiger	8
## 499 True True False	## 498	False	False	False	helio	8
## 500 False True False snapdragon 8 2.80 ## 501 False True False snapdragon 8 2.35 ## 502 False False False helio 4 2.00 ## 503 True True False snapdragon 8 2.50 ## 504 False False False False helio 8 2.00 ## 505 False False False helio 8 2.30 ## 506 False False False helio 8 2.00 ## 507 True False False helio 8 2.00 ## 508 True False False snapdragon 8 2.20 ## 509 True False Snapdragon 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	## 499	True	True	False	snapdragon	8
## 501 False True False snapdragon 8 2.35 ## 502 False False False False helio 4 2.00 ## 503 True True False snapdragon 8 2.50 ## 504 False False False False helio 8 2.00 ## 505 False False False False helio 8 2.30 ## 506 False False False False helio 8 2.00 ## 507 True False False False dimensity 8 2.20 ## 509 True False False Snapdragon 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8 2.00 ## 514 True True False dimensity 8		False	True	False	snapdragon	8
2.35 ## 502 False False False False helio 4 2.00 ## 503 True True False snapdragon 8 2.50 ## 504 False False False False helio 8 2.00 ## 505 False False False False helio 8 2.30 ## 506 False False False False helio 8 2.00 ## 507 True False False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	2.80					
2.00 ## 503		False	True	False	snapdragon	8
## 503 True True False snapdragon 8 2.50 ## 504 False False False helio 8 2.00 ## 505 False False False helio 8 2.30 ## 506 False False False helio 8 2.00 ## 507 True False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8		False	False	False	helio	4
## 504 False False False False helio 8 2.00 ## 505 False False False False helio 8 2.30 ## 506 False False False False helio 8 2.00 ## 507 True False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 3.20 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	## 503	True	True	False	snapdragon	8
## 505 False False False False helio 8 2.30 ## 506 False False False False helio 8 2.00 ## 507 True False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	## 504	False	False	False	helio	8
2.30 ## 506 False False False False helio 8 2.00 ## 507 True False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8		False	False	False	helio	8
2.00 ## 507 True False False dimensity 8 2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	2.30					
2.20 ## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8		False	False	False	helio	8
## 508 True False False snapdragon 8 2.20 ## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8		True	False	False	dimensity	8
## 509 True False True dimensity 8 2.20 ## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8	## 508	True	False	False	snapdragon	8
<pre>## 510 True True False snapdragon 8 2.40 ## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8</pre>	## 509	True	False	True	dimensity	8
<pre>## 511 True True False snapdragon 8 3.20 ## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8</pre>	## 510	True	True	False	snapdragon	8
<pre>## 512 True True True dimensity 8 2.60 ## 513 False False False exynos 8 2.00 ## 514 True True False dimensity 8</pre>	## 511	True	True	False	snapdragon	8
2.60 ## 513 False False exynos 8 2.00 ## 514 True True False dimensity 8		True	True	True	dimensitv	8
2.00 ## 514 True True False dimensity 8	2.60				-	
•	2.00				·	
		True	True	False	dimensity	8

## 515 3.00	True	False	False	dimensity	8
## 516 2.40	False	False	False	snapdragon	8
## 517	False	False	False	snapdragon	8
2.40	True	False	False	dimensity	8
2.50 ## 519	False	False	False	helio	8
2.30 ## 520	True	False	False	snapdragon	8
2.90 ## 521	True	True	False	snapdragon	8
3.00				. •	
## 522 3.22	True	True	False	bionic	6
## 523 2.05	False	False	False	helio	8
## 524 NA	False	True	False	<na></na>	8
## 525	False	False	False	snapdragon	8
2.30 ## 526	False	False	True	snapdragon	8
2.30 ## 527	True	True	False	dimensity	8
2.85 ## 528	True	True	False	google	8
2.80 ## 529	False	False	False	unisoc	8
1.60 ## 530	False	False	False	tiger	8
2.00 ## 531	False	False	True	helio	8
2.20					
## 532 2.40	False	False	False	snapdragon	8
## 533 3.00	True	True	False	snapdragon	8
## 534 3.00	True	True	True	snapdragon	8
## 535	False	False	False	snapdragon	8
2.40 ## 536	False	True	False	snapdragon	8
2.40 ## 537	True	True	False	snapdragon	8
3.00 ## 538	True	True	False	snapdragon	8
3.00 ## 539 2.20	True	True	False	dimensity	8

## 540 2.00	True	True	False	snapdragon	8
## 541	True	False	False	dimensity	8
2.40 ## 542	True	False	False	dimensity	8
2.40 ## 543	True	False	False	snapdragon	8
3.20 ## 544	True	False	True	snapdragon	8
2.20					
## 545 2.30	False	False	True	snapdragon	8
## 546 3.20	True	True	False	snapdragon	8
## 547 2.00	False	False	False	helio	8
## 548	False	True	False	exynos	8
2.73 ## 549	True	True	True	dimensity	8
3.10 ## 550	False	False	False	helio	8
1.80 ## 551	True	True	False	dimensity	8
3.00 ## 552	True	False	False	snapdragon	8
2.36 ## 553	True	True	True	snapdragon	8
3.20				. •	
## 554 2.00	False	False	False	helio	8
## 555 2.05	False	False	True	helio	8
## 556 2.00	False	False	False	helio	8
## 557	True	True	False	snapdragon	8
2.90 ## 558	True	True	False	snapdragon	8
2.40 ## 559	True	True	False	dimensity	8
2.00 ## 560	True	True	False	snapdragon	8
3.20 ## 561	True	True	False	snapdragon	8
2.84					
## 562 2.40	True	True	False	snapdragon	8
## 563 2.30	False	False	True	snapdragon	8
## 564 2.30	False	False	False	snapdragon	8

## 565 1.40	False	False	False	snapdragon	4	
## 566	False	False	False	helio	8	
	True	False	False	dimensity	8	
2.40 ## 568	False	True	False	helio	8	
2.20 ## 569	True	True	False	snapdragon	8	
2.50 ## 570	True	True	False	snapdragon	8	
2.20				. •		
## 571 2.30	False	False	False	helio	8	
## 572 3.20	True	True	False	snapdragon	8	
## 573 2.20	True	False	False	snapdragon	8	
## 574	True	False	False	snapdragon	8	
2.40 ## 575	False	False	False	unisoc	8	
1.60 ## 576	False	False	False	<na></na>	8	
2.00 ## 577	False	False	False	helio	8	
2.30 ## 578	False	False	False	snapdragon	8	
2.40						
## 579 2.00	False	False	False	helio	8	
## 580 2.85	True	True	False	dimensity	8	
## 581 2.50	True	False	True	dimensity	8	
## 582	True	False	False	snapdragon	8	
3.20 ## 583	True	True	False	snapdragon	8	
3.00 ## 584	False	False	False	unisoc	8	
1.60 ## 585	False	False	False	helio	8	
2.30 ## 586	False	False	False	snapdragon	4	
1.30 ## 587	False	False	True	helio	8	
2.00						
## 588 2.20	True	False	True	dimensity	8	
## 589 2.00	False	False	False	helio	8	

## 590 2.20	True	False	False	dimensity	8
## 591	False	False	False	dimensity	8
2.40 ## 592	False	False	False	snapdragon	8
2.30	False	False	False	snapdragon	8
2.00 ## 594	True	True	False	exynos	8
2.73 ## 595	False	True	False	bionic	6
2.65 ## 596	False	False	False	fusion	4
2.37 ## 597	False	True	False	snapdragon	8
2.00 ## 598	False	False	False	helio	8
2.30 ## 599	False	False	True	helio	8
2.20 ## 600	False	False	False	helio	8
2.20 ## 601	True	False	False	snapdragon	8
2.20 ## 602	True	True	False	snapdragon	8
3.20 ## 603	True	True	True	dimensity	8
2.85 ## 604	True	False	False	dimensity	8
2.50 ## 605	False	False	False	snapdragon	8
2.40 ## 606	False	False	True	helio	8
2.05 ## 607	True	False	False	dimensity	8
2.40 ## 608		False	False	helio	8
2.05	False				
## 609 2.30	False -	False	False -	helio	8
## 610 2.20	True	False	True	dimensity	8
## 611 1.80	False	False	False	unisoc	8
## 612 2.30	False	False	False	helio	8
## 613 2.40	True	False	False	dimensity	8
## 614 3.10	True	True	False	bionic	6

## 615 2.84	True	True	False	snapdragon	8	
## 616	True	True	False	snapdragon	8	
2.84 ## 617	False	True	False	exynos	8	
2.73 ## 618	False	False	False	helio	8	
2.30						
## 619 2.30	False	True	True	snapdragon	8	
## 620 3.20	True	False	False	snapdragon	8	
## 621 1.60	False	False	False	unisoc	8	
## 622	True	True	False	bionic	6	
3.22 ## 623	True	True	True	snapdragon	8	
3.20 ## 624	False	False	False	helio	8	
2.05 ## 625	Tnuo	Tnuo	Falso	cnandnagon	O	
2.20	True	True	False	snapdragon	8	
## 626 3.00	True	True	False	snapdragon	8	
## 627 3.00	True	True	True	snapdragon	8	
## 628	True	True	True	snapdragon	8	
2.84 ## 629	False	False	False	helio	8	
2.30 ## 630	True	True	False	snapdragon	8	
3.20			. 0150	Shapar agon	· ·	
## 631 2.00	False	False	False	helio	8	
## 632 3.13	False	True	True	kirin	8	
## 633 1.80	False	False	False	unisoc	8	
## 634	True	True	False	snapdragon	8	
3.20 ## 635	True	True	False	dimensity	8	
3.00 ## 636	True	False	False	dimensity	8	
2.20 ## 637	True	False	False	dimensity	8	
2.20	Fe1	Fe1	F-1-	1 7 4	0	
## 638 2.30	False	False _	False	helio	8	
## 639 2.65	False	True	False	bionic	6	

## 640 1.80	False	False	False	tiger	4
## 641	True	True	False	dimensity	8
NA ## 642	True	False	False	dimensity	8
2.00 ## 643	True	True	False	snapdragon	8
2.20 ## 644	False	False	False	helio	8
2.20					
## 645 2.00	False	False	False	tiger	8
## 646 2.40	True	False	False	dimensity	8
## 647 1.60	False	False	False	unisoc	8
## 648	False	False	False	snapdragon	8
2.40 ## 649	True	False	True	dimensity	8
2.20 ## 650	True	True	False	snapdragon	8
3.00 ## 651	False	False	False	helio	8
2.30					
## 652 2.00	False	False	False	helio	4
## 653 1.80	False	False	False	tiger	8
## 654	False	False	False	helio	8
2.30 ## 655	False	True	False	helio	8
2.00 ## 656	True	True	True	dimensity	8
2.60 ## 657	True	False	True	snapdragon	8
3.20 ## 658	False	False	True	snapdragon	8
2.20	raise	raise	True	Shapuragon	0
## 659 2.30	False	False	True	snapdragon	8
## 660	True	True	False	snapdragon	8
2.84 ## 661	True	True	False	snapdragon	8
2.40 ## 662	False	False	False	snapdragon	8
2.20 ## 663	True	True	False	snapdragon	8
2.84 ## 664	False	True	False	exynos	8
2.70				,	

## 665 2.70	True	True	True	exynos	8
## 666	True	True	True	snapdragon	8
3.20 ## 667	False	False	False	exynos	8
2.00	raise	raise	raise	exyllos	0
## 668	True	False	False	dimensity	8
2.20 ## 669	False	False	False	helio	8
NA	1 4136	1 4136	1 4136	Hello	0
## 670	False	False	False	unisoc	8
1.60 ## 671	True	False	True	dimensity	8
2.20	ii uc	1 4130	II de	dimensity	o
## 672	True	False	True	dimensity	8
2.50 ## 673	True	False	False	dimensity	8
2.40	True	raise	raise	ulliensity	O
## 674	False	False	False	exynos	8
1.80	F-1	F-1	F-1	L - 1	0
## 675 2.20	False	False	False	helio	8
## 676	True	False	False	snapdragon	8
2.20					
## 677	False	False	False	helio	8
2.00 ## 678	True	True	False	snapdragon	8
3.00					
## 679	True	True	False	snapdragon	8
3.00 ## 680	False	False	False	unisoc	8
1.60	1 4130	1 4130	1 4130	unisoc	o
## 681	True	True	False	snapdragon	8
2.40	Tour	Tnuo	Гадса	cnandnagon	0
## 682 2.84	True	True	False	snapdragon	8
## 683	True	True	False	bionic	6
3.22	- 1	- 1	- 1		
## 684 2.00	False	False	False	helio	8
## 685	False	False	False	snapdragon	8
2.00				. •	
## 686	False	False	False	exynos	8
2.30 ## 687	False	False	False	helio	8
2.20					
## 688	False	False	False	snapdragon	8
2.84 ## 689	True	True	False	snapdragon	8
2.00	ii ac	Truc	1 4136	Shapar agon	Ü

690 False False False helio 8 1.99 ## 691 False False True helio 8 2.00 ## 692 False False False False helio 8 2.20 ## 693 True True False snapdragon 8 2.20 ## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00
<pre>## 691 False False True helio 8 2.00 ## 692 False False False helio 8 2.20 ## 693 True True False snapdragon 8 2.20 ## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00</pre>
<pre>## 692 False False False False helio 8 2.20 ## 693 True True False snapdragon 8 2.20 ## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00</pre>
2.20 ## 693 True True False snapdragon 8 2.20 ## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00
<pre>## 693 True True False snapdragon 8 2.20 ## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00</pre>
<pre>## 694 False True False exynos 8 2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00</pre>
2.30 ## 695 False True False exynos 8 2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00
2.73 ## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00
<pre>## 696 False False False helio 8 2.00 ## 697 False False False snapdragon 8 2.00</pre>
2.00 ## 697 False False snapdragon 8 2.00
2.00
698 True False False snapdragon 8
2.70
699 True True False dimensity 8
2.40 ## 700 True True False dimensity 8
3.20
701 True True False snapdragon 8
2.20 ## 702 True True True dimensity 8
2.85
703 True True False kirin 8
3.13 ## 704 False False False tiger 8
1.82
705 False True True snapdragon 8
2.84 ## 706 True False False snapdragon 8
2.36
707 False True False bionic NA NA
708 False False helio 8
2.05
709 False False helio 8
1.80 ## 710 True False False dimensity 8
2.20
711 True True False snapdragon 8
3.20 ## 712 False False True helio 8
2.00
713 False True False snapdragon 8
2.40 ## 714 False False False spreadtrum 4
1.30

## 715 2.84	False	True	True	snapdragon	8
## 716	True	True	True	dimensity	8
2.85 ## 717	False	False	False	unisoc	8
1.60 ## 718	True	False	False	snapdragon	8
2.20 ## 719	True	True	False	snapdragon	8
3.20				2ap a 6	-
## 720 3.20	True	True	False	snapdragon	8
## 721 2.84	True	True	False	snapdragon	8
## 722 2.00	False	False	True	snapdragon	8
## 723	False	False	False	unisoc	4
1.30 ## 724	True	False	False	snapdragon	8
2.40 ## 725	True	True	True	snapdragon	8
2.84 ## 726	False	False	False	snapdragon	8
2.30 ## 727	True	True	False	exynos	8
2.73 ## 728	False	False	False	snapdragon	8
2.00	. 4130	. 4250	. 4130	Shapar agon	· ·
## 729 2.20	False	False	False	snapdragon	8
## 730 2.30	False	False	False	snapdragon	8
## 731 2.00	False	False	False	helio	8
## 732	False	False	False	snapdragon	8
2.80 ## 733	False	False	False	helio	4
2.00 ## 734	False	False	False	<na></na>	4
1.60 ## 735	True	True	True	snapdragon	8
3.20					
## 736 NA	True	True	False	dimensity	8
## 737 3.00	True	True	False	snapdragon	8
## 738 3.22	True	True	False	bionic	6
## 739 2.40	False	False	False	dimensity	8

## 740 NA	True	True	False	bionic	6
## 741 NA	True	True	False	google	8
## 742	True	False	False	dimensity	8
3.00 ## 743	True	True	False	snapdragon	8
2.20 ## 744	True	True	False	snapdragon	8
2.36 ## 745	True	True	True	snapdragon	8
3.00 ## 746	True	True	False	snapdragon	8
3.00					
## 747 2.30	False	False	False	helio	8
## 748 2.40	False	False	False	snapdragon	8
## 749 1.60	False	False	False	unisoc	8
## 750	True	True	False	snapdragon	8
3.00 ## 751	False	False	False	snapdragon	8
2.40 ## 752	True	False	True	dimensity	8
2.50 ## 753	True	True	False	snapdragon	8
3.00 ## 754	False	False	False	<na></na>	8
2.20 ## 755	False	False	False	snapdragon	8
2.40 ## 756	False	False	False	helio	8
2.00 ## 757	True	True	False	bionic	6
3.22					
## 758 2.00	False	False	False	snapdragon	8
## 759 2.05	False	False	False	helio	8
## 760 2.00	False	False	False	helio	8
## 761 3.20	True	True	True	snapdragon	8
## 762	False	False	False	tiger	8
1.80 ## 763	False	False	False	helio	8
2.30 ## 764 2.30	False	False	False	helio	8
2.30					

## 765 2.20	True	False	True	dimensity	8
## 766	True	True	True	snapdragon	8
2.84 ## 767	True	True	False	dimensity	8
2.20 ## 768	False	False	False	helio	8
2.30 ## 769	False	False	False	helio	8
2.30 ## 770	False	False	False	<na></na>	4
1.30					
## 771 2.00	False	False	True	snapdragon	8
## 772 2.90	True	True	False	exynos	8
## 773	False	False	True	snapdragon	8
2.30 ## 774	False	True	False	exynos	8
2.73 ## 775	False	False	False	snapdragon	8
2.30 ## 776	True	True	False	kirin	8
2.86 ## 777	False	False	False	snapdragon	8
2.00				. •	
## 778 2.00	False	False	False	snapdragon	8
## 779 1.95	False	False	False	snapdragon	8
## 780 2.00	False	False	False	helio	8
## 781	False	True	False	exynos	8
2.80 ## 782	True	False	False	snapdragon	8
3.00 ## 783	True	False	False	dimensity	8
2.00 ## 784	False	False	False	helio	8
2.30 ## 785	True	True	False	snapdragon	8
3.00					
## 786 3.10	True	False	True	dimensity	8
## 787 2.05	False	False	False	helio	8
## 788 3.20	True	False	False	snapdragon	8
## 789 3.22	True	True	False	bionic	6

## 790 NA	True	True	False	bionic	6
## 791 2.00	True	False	True	snapdragon	8
## 792	False	False	True	helio	8
2.20 ## 793	False	False	False	unisoc	8
1.60 ## 794	True	True	False	dimensity	8
2.40 ## 795	False	True	False	helio	8
2.00 ## 796	False	False	False	tiger	8
1.82	_	_	_		_
## 797 3.20	True	True	True	snapdragon	8
## 798 2.30	False	False	False	helio	8
## 799 2.00	False	False	False	helio	8
## 800	True	True	False	<na></na>	8
NA ## 801	True	False	False	<na></na>	8
NA ## 802	True	False	False	dimensity	8
3.05 ## 803	True	False	False	snapdragon	8
NA ## 804	False	False	False	helio	8
2.05 ## 805	False	False	False	exynos	8
NA ## 806	True	False	False	snapdragon	8
NA				. •	
## 807 2.20	True	False	True	dimensity	8
## 808 2.05	False	False	True	helio	8
## 809	False	False	False	tiger	8
1.82 ## 810	True	False	False	dimensity	8
2.20	False	False	False	snapdragon	8
2.40 ## 812	False	False	False	tiger	4
2.00 ## 813	False	False	True	snapdragon	8
2.30 ## 814	True	True	False	bionic	6
3.22					

## 815 2.00	False	False	False	helio	8
## 816	True	True	False	snapdragon	8
3.20 ## 817	True	True	True	snapdragon	8
3.00 ## 818	False	False	False	snapdragon	4
1.30 ## 819	False	False	True	snapdragon	8
2.30		_	_		
## 820 2.20	True	False	False	dimensity	8
## 821 2.84	True	False	True	snapdragon	8
## 822 2.84	True	True	False	snapdragon	8
## 823	False	True	False	exynos	8
2.73 ## 824	True	False	False	dimensity	8
2.00 ## 825	True	True	False	bionic	6
3.10 ## 826	False	False	False	helio	8
2.00 ## 827	False	False	False	helio	8
2.05 ## 828	False	False	False	mediatek	4
1.50					
## 829 2.40	True	False	False	snapdragon	8
## 830 2.30	False	False	False	helio	8
## 831 2.00	False	True	False	snapdragon	8
## 832	False	False	False	helio	8
2.00 ## 833	False	False	False	kirin	8
2.20 ## 834	False	False	False	helio	8
2.00 ## 835	False	False	False	snapdragon	8
2.00		_			
## 836 2.00	False	False	True	helio	8
## 837 2.00	False	False	True	snapdragon	8
## 838 2.00	False	False	False	helio	8
## 839 2.00	False	True	False	snapdragon	8

## 840 2.20	False	False	False	exynos	8
## 841	True	True	False	exynos	8
2.70 ## 842	False	False	False	kirin	8
2.36 ## 843	False	False	False	snapdragon	8
2.00 ## 844	True	False	False	dimensity	8
2.60				Í	
## 845 NA	False	False	False	<na></na>	8
## 846 NA	True	False	False	snapdragon	8
## 847 2.40	True	False	False	snapdragon	8
## 848	False	False	True	helio	8
2.20 ## 849	True	True	False	snapdragon	8
2.20 ## 850	False	False	False	helio	8
2.00					
## 851 2.30	False	False	False	helio	8
## 852 2.40	False	False	False	snapdragon	8
## 853 2.40	False	True	False	snapdragon	8
## 854	True	False	False	dimensity	8
3.00 ## 855	False	False	False	helio	8
2.05	1 4130	Taise	1 4130	HCIIO	3
## 856 2.36	True	True	False	snapdragon	8
## 857	False	False	False	tiger	8
1.82 ## 858	True	True	False	dimensity	8
2.85 ## 859	True	False	False	snapdragon	8
2.90 ## 860	True	False	True	dimensity	8
2.00					
## 861 2.20	True	False	False	snapdragon	8
## 862 2.84	True	False	False	snapdragon	8
## 863 2.00	False	True	False	helio	8
## 864 2.05	False	False	False	helio	8

## 865 2.30	False	False	False	helio	8
## 866	True	True	False	snapdragon	8
3.20 ## 867	True	True	False	snapdragon	8
2.00 ## 868	False	False	False	helio	8
2.30 ## 869	False	False	False	helio	8
2.00					
## 870 2.20	True	False	False	dimensity	8
## 871 2.30	False	False	False	snapdragon	8
## 872 2.84	True	True	False	snapdragon	8
## 873	False	False	False	helio	8
2.00	True	False	False	dimensity	8
2.40 ## 875	False	False	False	spreadtrum	4
1.40					
## 876 2.90	True	True	False	exynos	8
## 877 2.60	True	False	False	dimensity	8
## 878 2.00	False	False	False	snapdragon	8
## 879	False	False	False	exynos	8
2.00	False	False	False	snapdragon	8
1.80 ## 881	True	True	False	bionic	6
3.10 ## 882	True	True	False	bionic	6
3.10 ## 883	False	False	False	helio	8
2.30 ## 884	False	False	True	snapdragon	8
2.30	1 4150	1 4150	11 40	Shapar agon	G
## 885 1.80	False	False	False	helio	8
## 886 2.84	True	True	False	snapdragon	8
## 887	True	True	False	exynos	8
2.73 ## 888	False	True	False	snapdragon	8
2.80 ## 889	False	False	True	helio	8
2.05					

## 890 2.10	False	False	False	helio	8	
## 891	False	False	False	helio	8	
2.50 ## 892	False	False	False	snapdragon	8	
1.50 ## 893	True	True	False	bionic	6	
NA						
## 894 2.20	True	True	False	dimensity	8	
## 895 2.30	False	False	False	helio	8	
## 896	True	True	False	dimensity	8	
2.20 ## 897	True	True	False	dimensity	8	
3.00 ## 898	False	False	False	helio	8	
2.30						
## 899 2.00	False	False	False	helio	4	
## 900 2.00	False	False	False	helio	8	
## 901	False	False	False	helio	8	
2.30 ## 902	True	True	False	snapdragon	8	
3.20 ## 903	False	False	False	helio	8	
2.00 ## 904	True	True	True	snapdragon	8	
2.40						
## 905 2.00	False	False	False	helio	8	
## 906	True	True	False	snapdragon	8	
3.20 ## 907	True	True	False	snapdragon	8	
2.50 ## 908	True	True	False	snapdragon	8	
3.20 ## 909	True	True	False	snapdragon	8	
3.20 ## 910	True	True	False	snapdragon	8	
3.20						
## 911 NA	False	True	False	<na></na>	8	
## 912 NA	False	False	False	<na></na>	8	
## 913	False	False	False	helio	8	
2.00 ## 914 3.00	True	True	True	dimensity	8	

## 915 2.20	True	False	False	snapdragon	8
## 916	False	False	False	snapdragon	8
2.40 ## 917	True	True	False	snapdragon	8
3.00				, 0	
## 918 2.84	True	False	False	snapdragon	8
## 919 2.00	False	False	False	unisoc	8
## 920 2.20	True	False	False	snapdragon	8
## 921	False	False	False	helio	8
2.00 ## 922	True	False	True	dimensity	8
2.50	True	raise	True	aimensity	8
## 923 2.20	True	False	False	dimensity	8
## 924	True	True	False	bionic	6
3.22 ## 925	True	True	False	snapdragon	8
2.90	- 1	- 1	- 1		•
## 926 1.80	False	False	False	unisoc	8
## 927	True	False	False	snapdragon	8
3.20 ## 928	False	False	False	snapdragon	8
2.00	T	F-1	r-1		0
## 929 2.40	True	False	False	snapdragon	8
## 930	True	False	True	dimensity	8
3.00		. 4250		u.ic.i.b.i.cy	· ·
## 931 2.40	True	True	False	snapdragon	8
## 932	False	False	False	helio	8
2.30 ## 933	False	False	False	helio	8
2.05 ## 934	True	True	False	snapdragon	8
2.84					
## 935 1.60	False	False	False	sc9863a	8
## 936 2.00	False	False	False	helio	8
## 937 2.84	True	True	False	snapdragon	8
## 938	True	True	False	snapdragon	8
2.40 ## 939	False	False	False	exynos	8
2.00					

## 940 2.30	False	False	False	exynos	8	
## 941	False	False	False	exynos	8	
2.00 ## 942	False	False	False	helio	8	
2.00 ## 943	False	False	False	snapdragon	8	
2.00				. •		
## 944 1.80	False	False	False	snapdragon	8	
## 945 2.00	False	False	False	helio	8	
## 946 1.60	False	False	False	unisoc	8	
## 947 2.30	False	False	False	helio	8	
## 948 2.84	True	True	True	snapdragon	8	
## 949	False	False	False	snapdragon	8	
1.80 ## 950	False	False	False	snapdragon	8	
2.40 ## 951	False	True	False	snapdragon	8	
2.84 ## 952	True	True	True	kirin	8	
2.86 ## 953	False	False	False	<na></na>	8	
1.80 ## 954	False	False	False	helio	8	
2.00						
## 955 2.86	True	True	True	kirin	8	
## 956 2.20	False	True	False	snapdragon	8	
## 957	False	False	False	exynos	8	
2.20 ## 958	False	False	False	snapdragon	4	
1.20 ## 959	False	False	False	helio	8	
2.00 ## 960	True	True	False	helio	8	
2.30 ## 961	False	False	False	helio	8	
2.30						
## 962 2.20	True	False	False	dimensity	8	
## 963 2.05	False	True	False	helio	8	
## 964 2.00	False	False	False	helio	4	

## 965	True	True	False	snapdragon	8	
3.20 ## 966	False	False	False	<na></na>	4	
1.30 ## 967	False	True	False	helio	8	
2.00	raise	True	raise	Hello	0	
## 968	True	True	True	snapdragon	8	
3.20 ## 969	True	True	False	snapdragon	8	
3.20	_	_	_			
## 970 3.10	True	True	True	dimensity	8	
## 971	False	False	False	tiger	8	
1.82 ## 972	True	True	False	snapdragon	8	
3.20				. •	_	
## 973 1.40	False	False	False	spreadtrum	4	
## 974	True	True	False	google	8	
NA ## 975	True	True	False	snapdragon	8	
3.20	True	True	1 4136	Shapar agon	Ö	
## 976	True	False	False	snapdragon	8	
3.00 ## 977	True	False	False	snapdragon	8	
2.20	-	-	-		0	
## 978 2.85	True	True	True	dimensity	8	
## 979	True	True	False	snapdragon	8	
2.20 ## 980	True	False	False	<na></na>	8	
NA	ii uc	Taise	raisc	(IVA)	J	
##	battery	_capacity	fast_charging_a	vailable fast_c	harging ram_c	apacity
## 1		5000		1	100	12
## 2		5000		1	33	6
## 3		5000		1	15	4
## 4		5000		1	NA	6
## 5		5000		1	67	6
## 6		5000		1	25	6
## 7		3279		1	NA	6
## 8		4980		1	120	8
## 9		4500		1	33	8
## 10		4500		1	80	8
## 11		5000		1	33	6
## 12		5000		1	33	8
## 13		5000		1	67	6
## 14		5000		1	18	6
## 15		5000		1	45	8
## 16		3240		1	NA	4
## 17		5000		1	10	3

##	18	4700	1	80	16
##	19	5000	1	80	8
##	20	5000	1	18	4
##	21	5000	1	100	8
##	22	4830	1	66	8
##		5000	1	67	6
##		5000	1	33	4
##		4800	1	100	12
##		4500	1	NA	8
##		5000	1	33	8
##		4323	1	NA	6
##		4500	1	44	8
	30	4500	1	100	8
##		5000	1	33	8
	32	5000	1	67 67	6
	33	4700	1	67	8
	34	3110	0	NA	4
##		5000	1	25	6
##		4500	1	25	8
##		5000	1	66	8
##		5000	1	45	12
##	39	5200	1	210	6
##	40	4500	1	67	8
##	41	5000	1	67	6
##	42	5000	1	67	6
##	43	5000	1	30	6
##	44	5000	1	67	8
##	45	5000	1	44	8
##		6000	1	25	6
##		5000	1	33	4
##		5000	0	NA	3
##		5000	1	10	4
##		5000	1	33	8
##		5000	1	15	6
##		5000	1	120	8
##		5000		18	4
##		5000	1 1	30	
					6
##		5000	1	33	4
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##	698	4700	1	80	8
##	699	4000	1	33	8
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	701	4020	1	68	8
	702	5000	1	120	8
	703	4500	1	66	8
	704	5000	0	NA	4
	705	4600	1	66	8
	706	5000	1	67	6
	707	3285	1	NA	6
	708	5000	1	33	8
	709	5000	0	NA	4
	710	5000	0	NA 120	6
	711	4500	1	120	12
	712	6000	1	18	6
	713	4300	1	66	8
	714	4000	0	NA	1
	715	4360	1	66	8
	716	5500	1	67	8
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	726	4500	1	33	8
	727	4000	1	25	8
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	729	4000	1	30	8
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	732	4000	1	NA NA	6
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	734	5000			4
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	736	5000	1	120	12
	737	4500	1	100	12
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	739	6000	1	18	4
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	742	6000	1	44	8
	743	5000	1	33	4
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	762	5000	0		
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	763 764	5000	1	15 NA	
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## 774	4500	1	25	8
## 775	4300	1	30	6
## 776	4200	1	40	8
## 777	5000	0	NA	3
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## 779	4030	0	NA	4
## 780	3315	0	NA	4
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## 787	5000	1	18	8
## 788	5000	1	80	8
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## 790	3200	1	NA	6
## 791	5100	1	18	6
## 792	5000	1	18	6
## 793	5050	0	NA	4
## 794	5000	1	33	4
## 795	5000	1	18	6
## 796	5000	1	10	3
## 797	5000	1	120	8
## 798	5000	1	33	3
## 799	5000	1	33	6
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## 801	6000	1	NA	6
## 802	4500	1	80	12
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## 804	5000	1	33	8
## 805	6000	0	NA	4
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## 807	5000	1	18	4
## 808	5000		67	
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## 809	5000	1	18	4
## 810	6000	1	18	8
## 811	5000	1	18	4
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## 814	3240	1	NA	4
## 815	5000	0	NA	4
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## 817	4500	1	67	8

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	830	4230	0	NA	6
	831	3600	1	18	4
	832	4030	0	NA	2
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	834	5000	1	18	4
	835	5000	1	18	6
	836	5020	1	22	4
	837	5000	1	18	4
	838	4000	1	10	4
	839	3700	1	18	4
	840	3100	1	15	4
	841	4500	1	25	8
	842	3000	0	NA	4
	843	4100	0	NA 33	4
		22000	1	33	12
	845	5000	1	22	4
	846	5000	1	45	8
	847	5000	1	80	8
	848	5000	1	18	6
	849	4200	1	33	6
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	851	5000	0	NA	3
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	853	5000	1	40	8
	854	5000	1	NA	8
	855	4500	1	120	8
	856	4500	1	80	8
	857	5000	1	18	4
	858	4500	1	150	8
	859	4350	1	120	12
	860	5000	1	33	6
	861	4500	1	33	8
	862	3360	0	NA	8
	863	5000	1	18	4
	864	5000	1	44	8
	865	5000	0	NA	4
	866	5000	1	65	8
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	878	4500	1	65	4
	879	6000	1	15	4
	880	5000	1	18	4
	881	NA NA	0	NA	4
	882	NA	0	NA NA	4
	883	4230		NA NA	
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	887	4500	1	25	8
	888	4000	1	27	8
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	901	5000	0	NA	3
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	903	5000	1	10	4
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	905	3000	1	10	3
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	915	5000	1	18	4
	916	5000	1	44	8
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	922	4500	1	120	8
	923	5000	1	15	8
	924	3095	1	NA	6
	925	5050	1	30	8
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	927	6000	1	33	6
	928	5000	0	NA	3
	929	4000	1	18	6
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	935	5000	0	NA	2
	936	5000	1	15	6
	937	4500	1	65	8
	938	4620	1	18	6
	939	6000	1	15	4
	940	6000	1	15	6
	941	5000	0	NA	6
	942	5000	0	NA	6
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	950	4300	1	30	8
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	952	4500	1	NA	12
	953	4000	1	15	2
	954	4000	0	NA	2
	955	4500	1	55 NA	8
	956	3400	1	NA	6
	957	3300	0	NA	4
	958	2730	0	NA	3
	959	5000	0	NA	4
	960	5180	1	10	4
##	961	5000	1	22	6
##	962	5000	1	10	6
##	963	6000	1	33	8
	964	4000	0	NA	3
	965	4500	1	68	8
	966	5000	0	NA	4
	967	8000	0	NA	6
пπ	20,	0000	U	IVA	J

##	968	5000		1	67	12
##	969	5000		1	68	8
##	970	5000		1	80	8
	971	5000		1	10	4
	972					
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	973	3020		0	NA	2
	974	5000		1	67	12
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	977	5000		1	22	6
	978	5080		1	67	8
	979	5000		1	NA	6
	980	5000		1	NA	8
##	internal_mer	mory screen_	_size	refresh_rate	num_rear_cameras	
nun	_front_cameras					
##		256	6.70	120	3	
1	_				-	
	2	120	c	120	2	
##	2	128	6.59	120	3	
1						
##	3	64	6.60	90	3	
1						
##	4	128	6.55	120	3	
1					_	
##	Е	128	6 70	120	3	
	5	120	6.70	120	3	
1	_				_	
##	6	128	6.60	120	3	
1						
##	7	128	6.10	60	2	
1						
##	8	256	6.67	120	3	
1	O	230	0.07	120	J	
		100		400	•	
##	9	128	6.55	120	2	
1						
##	10	128	6.43	90	3	
1						
##	11	128	6.72	120	2	
1					_	
	12	120	6 56	00	2	
##	12	128	6.56	90	2	
1						
##	13	128	6.67	120	3	
1						
##	14	128	6.58	120	3	
1						
##	15	256	6.80	120	4	
1	10	250	0.00	120	4	
	1.0	120	c 40		_	
##	16	128	6.10	60	2	
1						
##	17	32	6.51	60	2	
1						
##	18	256	6.70	120	3	
			5.,5	120	,	

1 ##	19	128	6.70	120	3
1 ##	20	64	6.55	60	2
1 ##	21	128	6.70	120	3
1 ## 1	22	128	6.56	120	3
## 1	23	64	6.67	120	3
	24	128	6.67	120	3
## 1	25	256	6.70	120	3
## 1	26	128	6.50	120	3
## 1	27	128	6.59	120	3
## 1	28	128	6.70	120	3
## 1	29	128	6.44	90	3
## 1	30	128	6.70	120	3
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## 1		128	6.67	120	3
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1	37	256	6.67	120	3
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1 ##	45	128	6.58	90	3
1 ##		128	6.60	120	4
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## 1		64	6.43	90	4
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## 1	49	64	6.51	60	2
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## 1	51	128	6.60	90	3
## 1	52	128	6.78	120	3
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1 ##	54	128	6.60	120	3
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## 1		128	6.78	120	3
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## 1	64	128	6.55	60	2
## 1	65	128	6.60	90	2
## 1	66	256	6.78	120	3
##	67	128	6.70	120	3
1 ##	68	256	6.67	120	3

1 ##	69	128	6.60	120	3
1 ##	70	256	7.10	120	2
NA ##	71	64	6.56	60	1
1 ## 2	72	256	6.44	90	3
## 1	73	64	6.58	120	2
## 1	74	128	6.70	120	3
- ## 1	75	128	6.50	90	3
## 1	76	32	6.26	60	2
## 1	77	128	6.10	120	3
## 1	78	128	6.58	120	3
## 1		128	6.50	90	4
## 1		64	6.53	60	1
## 1		128	6.55	120	3
## 1		128	6.60	90	3
## 1		64	6.50	90	3
## 1		128	6.58	120	3
## 1		128	6.50	90	2
## 1 ##		128	6.50	144	3
## 1 ##		128 128	6.60 6.56	120 90	2
## 1 ##		128	6.43	90	4
## 1 ##		128	6.70	120	4
1 ##		64	6.51	60	2
1 ##		128	6.59	120	3
1 ##		128	6.55	120	3

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	107	256	6.73	144	3
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	109	128	6.44	60	3
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	127	64	6.47	60	3
	128	256	6.59	120	3
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1 ##	177	64	6.60	120	3
1 ##	178	128	6.58	60	3
1 ##	179	256	6.44	90	3
1 ##	180	64	6.43	90	3
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	184	128	6.60	120	3
	185	128	6.60	90	3
	186	128	6.43	90	3
	187	128	6.60	120	3
	188	64	6.50	60	1
	189	128	6.50	60	2
	190	32	6.10	60	2
	191	64	3.54	60	1
	192	128	6.67	90	3
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	195	64	6.60	60	3
	196	256	6.70	120	3
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	201	64	6.60	60	4
	202	128	6.67	144	3
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## 1	206	256	6.55	120	2
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1	208	128	6.82	90	2
1	209	256	6.67	120	3
1	210	256	6.70	120	3
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1	212	128	6.50	90	3
1	213	128	6.60	120	3
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1	215216	256 128	6.67 6.70	120 120	3
1	217	64	6.95	90	3
1	217	128	6.56	90	3
	-			-	-

	219	32	6.50	60	2
1 ## 1	220	128	6.67	120	3
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1	227	128	6.60	90	3
1	228	128	6.62	120	3
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1	233	128	6.70	60	2
1	234	128	6.56	90	2
	235	128	6.44	60	3
	236	256	8.02	120	3
	237	64	6.51	60	2
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1 ##	244	128	6.30	90	2
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	246	128	6.43	90	3
	247	256	6.10	60	2
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	251	256	6.80	120	3
	252	128	6.70	90	3
	253	128	6.58	120	3
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1	265266	64 256	6.70	60 90	3
1	267	128	6.556.70	120	3
1	268	128	6.67	120	4
				-	

1 ##	269	128	6.67	120	3
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1 ##	272	64	6.70	60	3
1 ##	273	128	6.58	90	2
1	274	128	6.67	120	3
1	275	256	6.73	120	3
1	276	128	5.40	60	2
1	277	128	6.90	90	3
1	278	64	6.52	60	3
1	279	512	6.78	165	3
1	280	128	6.44	60	3
1					
1	281	128	5.42	60	2
1	282	64	6.50	90	3
1	283	128	6.78	120	3
1	284	128	6.60	60	4
1	285	128	6.67	120	3
1	286	128	6.67	120	3
1	287	256	6.70	60	3
## 1	288	128	6.60	120	2
## 1	289	1024	6.70	120	3
## 1	290	128	6.60	60	3
	291	128	6.60	90	2
	292	128	6.43	60	4
	293	64	6.52	60	1

	294	128	6.60	120	4
1 ## 1	295	256	6.67	144	3
	296	128	6.43	60	3
	297	128	6.36	120	3
## 1	298	32	6.53	60	1
## 1	299	32	6.51	60	1
1	300	256	6.60	144	3
1	301	32	6.50	60	1
1	302	64	6.80	120	3
1	3 <i>0</i> 3 3 <i>0</i> 4	128 128	6.70	60 90	3
1	305	128	6.55 6.70	120	2
1	306	128	6.10	60	2
1	307	256	6.70	120	3
1 ##	308	128	6.60	60	4
	309	256	6.43	90	3
	310	128	6.62	120	3
1 ## 1	311	128	6.50	120	4
	312	512	6.80	120	4
	313	128	6.40	60	3
	314	32	6.60	60	3
## 2	315	128	6.00	120	3
1	316	64	6.50	90	2
1	317	128	6.70	144	3
##	318	128	6.81	60	3

	319	256	6.78	144	3
	320	256	7.60	120	3
	321	128	7.80	60	3
1 ## 1	322	256	6.70	60	2
	323	128	6.40	90	4
	324	128	6.60	90	2
	325	128	6.40	90	2
	326	128	6.67	120	4
	327	256	6.80	120	4
	328	64	6.82	90	2
## 1	329	128	6.58	90	2
## 1	330	128	6.50	90	3
## 1	331	128	6.44	90	3
## 1	332	256	6.70	120	4
1	333	128	6.60	144	3
1	334	128	6.67	120	3
1	335	64	6.70	60	3
1	336	32	6.50	60	1
1	337	128	6.78	120	3
1	338	128	6.70	120	4
1	339	64	6.43	90	4
1	340	129	6.53	120	3
1	341 342	128 64	6.80	120 60	2
1	343	128	6.43	90	3
11 11	3.13		0.15	20	3

1 ##	344	128	6.43	60	3
	345	256	6.10	60	2
	346	256	6.78	120	3
	347	256	6.78	120	3
	348	128	6.50	120	2
	349	64	6.53	90	4
	350	64	6.53	60	1
	351	32	5.45	60	1
	352	32	6.20	60	2
	353	128	6.67	120	3
1 ##	354	32	6.50	60	1
	355	128	6.55	90	2
	356	64	6.56	60	2
	357	128	6.53	60	1
	358	256	6.67	120	3
	359	128	6.40	90	3
	360	128	6.67	120	3
	361	128	6.56	120	3
	362	128	5.40	60	2
	363	256	6.83	144	4
	364	128	6.80	120	2
	365	256	6.70	120	3
	366	64	6.60	90	2
	367	256	6.40	120	3
1 ##	368	128	6.60	90	2

1 ##	369	512	6.50	120	3
1 ##	370	128	6.44	60	4
2 ##	371	64	6.67	120	4
1	372	128	6.50	120	3
1	373	64	5.70	60	2
2	374	128	6.40	60	3
2					
1	375	128	6.40	90	3
1	376	128	6.50	90	3
1	377	128	6.62	120	3
## 1	378	128	6.20	120	3
## 1	379	128	6.70	60	4
## 1	380	32	6.51	60	1
	381	32	6.50	60	3
	382	64	6.60	90	2
	383	128	6.58	120	3
	384	128	6.44	90	3
	385	128	6.40	90	3
##	386	64	6.50	90	3
	387	128	6.60	90	3
	388	128	6.50	90	3
	389	128	6.40	60	3
	390	256	6.80	120	2
	391	64	6.40	90	4
	392	256	6.78	60	3
1 ##	393	128	6.60	120	3

##	394	128	6.67	60	4
1 ## 1	395	64	6.50	90	3
	396	128	6.60	90	2
	397	16	6.50	60	2
	398	128	6.70	120	3
## 1	399	128	6.73	120	3
1	400	32	6.52	60	2
1	401	256	6.71	120	3
1	402	128	6.60	90	3
1	403	64	6.60	90	2
1	404	256	6.78	120	4
1	405	256	6.55	90	4
1	406 407	128 256	6.67 6.80	120 165	3
1	408	128	6.56	90	2
1	409	128	6.60	144	3
1	410	32	6.50	60	2
1	411	64	6.49	90	3
1 ##	412	128	6.67	120	3
	413	128	6.43	90	3
	414	256	6.44	90	4
	415	128	6.53	60	1
1 ## 1	416	128	6.67	120	3
	417	256	6.10	120	3
	418	128	6.50	120	3

1 ##	419	128	6.67	144	3
1 ##	420	256	6.73	120	3
1 ##	421	512	6.67	120	3
1 ##	422	512	6.70	120	3
1 ##	423	256	6.56	90	3
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##	425	128	6.67	120	3
	426	64	6.81	60	4
1 ##	427	64	6.43	60	4
1 ##	428	64	4.70	60	1
1 ##	429	128	6.40	90	4
1 ##	430	128	6.80	120	3
	431	128	6.70	120	3
	432	128	6.80	60	4
	433	32	6.52	60	1
	434	64	6.50	90	2
	435	128	6.43	90	4
	436	64	4.70	60	1
	437	128	6.50	90	4
	438	128	6.67	120	4
	439	32	6.53	60	1
	440	128	6.40	90	4
	441	128	6.50	90	3
	442	256	6.78	165	3
1 ##	443	128	6.67	120	3

1 ##	444	32	6.60	60	2	
1 ##	445	128	6.06	120	3	
1 ##	446	128	6.60	90	3	
1 ##	447	64	6.82	90	3	
1 ##	448	128	6.78	120	3	
1	449	128	6.58	60	3	
1	450	256	6.70	90	3	
2		128	6.50	60	2	
1	452	64	6.71	60	2	
1	453	128	5.90	120	2	
1	454	64	6.20	60	3	
1	455	256	6.62	120	3	
1						
1	456	64	6.80	60	3	
1	457	64	6.50	90	4	
1	458	64	6.40	90	4	
NA	459	512	7.92	60	3	
1	460	256	6.73	120	2	
1	461	128	6.67	144	3	
## 1	462	128	6.60	60	3	
## 1	463	64	6.52	90	2	
## 1	464	64	6.82	90	2	
	465	128	6.62	120	3	
	466	128	6.43	60	3	
	467	128	6.55	90	3	
	468	32	6.50	60	1	

1 ##	469	128	6.67	120	3
1 ##	470	64	6.40	90	4
1	471	128	6.71	120	3
1	472			60	2
1		64	6.18		
1	473	16	4.50	60	1
## 1	474	32	5.50	60	2
## 1	475	64	6.50	60	1
	476	32	6.56	60	2
	477	32	5.00	60	1
##	478	256	8.03	120	4
	479	512	6.74	120	3
	480	128	6.70	60	4
	481	128	6.44	120	3
1 ##	482	128	6.10	120	3
1 ##	483	128	6.35	60	3
1 ##	484	512	6.50	120	4
1	485	256	6.66	90	2
1	486	256	6.67	90	3
1					
1	487	128	6.58	90	2
1	488	256	6.80	120	3
## 1	489	64	6.50	90	3
	490	256	6.62	120	3
	491	64	6.50	60	3
	492	128	6.60	144	3
	493	128	6.60	90	3

1 ##	494	128	6.64	120	2
1 ##	495	128	6.67	120	3
1	496	64	6.58	90	3
1	497	32	6.52	60	3
1					
1	498	128	6.47	60	3
## 1	499	128	6.70	120	2
## 1	500	128	6.28	60	2
## 1	501	128	6.00	60	1
	502	32	6.52	60	2
	503	256	6.67	120	3
##	504	128	6.60	120	3
	505	32	6.51	60	2
	506	128	6.40	90	4
	507	128	6.60	90	3
	508	128	6.60	120	3
1 ##	509	64	6.50	90	3
1 ##	510	128	6.00	90	2
1	511	256	6.73	144	3
1	512	256	6.67	120	3
1	513	64	6.60	60	3
1					
1	514	256	6.70	120	3
1	515	128	6.58	90	3
## 1	516	128	6.44	120	3
	517	128	6.56	90	2
	518	256	6.40	90	3

	519	32	6.51	60	1
	520	128	6.80	144	3
1 ## 1	521	128	6.70	120	3
	522	256	6.10	120	3
	523	128	6.44	60	3
	524	64	6.62	60	3
	525	128	6.44	60	3
## 1	526	64	6.67	60	4
## 1	527	128	6.70	120	3
1	528	256	6.71	120	3
1	529	32	6.74	60	3
1	530	128	6.60	90	2
1	531	64	6.58	90	3
1	532	128	6.70	60	2
1	533	128	6.80	120	3
1	534	256	6.73	120	3
1	535536	128 128	6.596.78	90 90	4
1	537	256	6.10	120	3
1	538	256	6.92	144	2
1	539	128	6.58	60	3
1	540	128	6.67	60	4
1	541	128	6.50	90	3
1 ##	542	128	6.50	90	3
1 ##	543	128	6.51	144	4

	544	128	6.67	120	3
	545	128	6.67	120	4
1 ## 1	546	256	6.62	120	3
	547	128	6.40	60	4
	548	128	6.20	120	3
	549	128	6.67	120	3
## 1	550	32	6.50	90	3
## 1	551	128	6.43	90	3
1	552	128	6.43	90	4
1	553	128	6.67	120	3
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1	555	128	6.43	90	3
1	556	64	6.50	60	3
1	557	128	6.78	144	3
1	558	128	6.43	120	3
1	559 560	128 256	6.80	90	3
1	561	256	7.60	120	3
2	562	128	6.80	60	3
1	563	64	6.67	60	4
1	564	128	6.50	90	4
1	565	16	6.00	60	1
1	566	64	6.50	60	2
	567	128	6.56	60	2
1 ##	568	256	6.67	120	3

1 ##	569	256	6.73	120	3
1 ##	570	128	6.58	120	3
1 ##	571	128	6.56	60	2
1	572	128	6.70	165	3
1	573	128	6.59	120	3
1	574	256	6.44	90	3
1	575	128	6.50	90	3
1				60	4
1	576	128	6.60		
1	577	64	6.52	60	1
1	578	64	6.70	60	2
## 1	579	64	6.60	90	3
## 1	580	128	6.70	120	3
## 1	581	128	6.67	120	3
	582	128	6.62	120	3
	583	256	6.78	120	3
	584	64	6.50	60	1
	585	128	6.53	60	2
	586	32	5.50	60	1
	587	64	6.30	60	4
##	588	128	6.50	90	3
	589	64	6.51	60	3
	590	128	6.60	90	3
	591	128	6.44	90	3
	592	128	6.40	60	4
1 ##	593	128	6.55	90	3

1 ##	594	128	6.90	60	4
1 ##	595	64	6.50	60	3
1	596	32	4.70	60	1
1	597	128	6.50	120	2
1	598	128	6.50	60	2
1					
1	599	64	6.67	120	3
1	600	256	6.78	120	3
## 1	601	256	6.70	120	3
## 1	602	128	6.67	120	3
## 1	603	128	6.60	144	3
	604	128	6.40	90	3
	605	128	6.44	60	3
	606	128	6.43	90	4
##	607	128	6.78	90	4
	608	128	6.60	120	3
	609	64	6.51	60	3
	610	128	6.50	90	3
	611	32	6.50	60	3
	612	64	6.52	60	3
1 ##	613	128	6.44	90	3
1 ##	614	512	6.10	60	3
1 ##	615	256	6.50	60	4
1	616	256	6.70	90	3
1	617	256	6.70	60	3
1	618	64	6.50	60	4
., .,		U .			•

1 ##	619	128	6.67	120	3
1 ##	620	128	6.62	120	3
1 ##	621	64	6.50	60	1
1 ##	622	512	6.10	60	2
1 ##	623	128	6.78	120	3
1 ##	624	128	6.80	120	3
	625	128	6.59	120	3
	626	128	6.80	120	4
1 ##	627	128	6.67	120	3
1 ##	628	256	6.67	120	3
1 ##	629	128	6.51	60	2
1 ##	630	128	6.71	120	3
	631	128	6.58	60	3
	632	128	6.76	90	3
	633	64	6.52	60	2
	634	256	6.78	165	3
	635	128	6.43	120	3
	636	128	6.50	90	3
	637	128	6.50	60	3
	638	64	6.53	60	2
	639	64	4.70	60	1
	640	64	6.50	60	2
	641	128	6.57	120	3
	642	128	6.58	60	2
1 ##	643	128	6.58	120	3

1 ##	644	256	6.44	90	3
1	645	64	6.60	90	2
1					
1	646	64	6.60	90	3
## 1	647	64	6.60	60	2
## 1	648	128	6.59	90	2
	649	128	6.58	90	2
	650	512	6.76	120	4
	651	64	6.60	60	3
##	652	64	6.60	60	2
	653	64	6.50	60	3
1 ##	654	128	6.50	60	4
1 ##	655	128	6.80	60	3
1 ##	656	128	6.60	120	3
1 ##	657	128	6.67	120	3
1	658	128	6.43	60	4
1	659	64	6.67	120	4
1					
1	660	128	6.67	144	3
1	661	128	6.80	60	3
## 1	662	128	6.50	60	4
## 1	663	128	6.80	60	3
	664	128	6.70	60	3
	665	256	6.80	60	4
##	666	256	6.78	120	3
	667	128	6.50	90	3
1 ##	668	128	6.51	60	2

1 ##	669	32	6.51	60	1
1 ##	670	32	6.60	60	2
1	671	128	6.58	90	2
1	672	128	6.73	120	3
1	673	256	6.56	90	2
1					
1	674	64	6.40	60	3
1	675	128	6.91	60	4
## 1	676	128	6.50	60	1
## 1	677	64	6.82	60	2
	678	256	6.10	120	3
	679	128	6.67	144	3
	680	64	6.50	90	3
##	681	128	6.55	120	3
	682	256	7.10	120	3
	683	256	6.70	120	3
	684	128	6.51	60	3
	685	128	6.43	60	3
	686	64	6.40	60	3
1 ##	687	128	6.43	60	4
1 ##	688	256	7.40	60	3
1 ##	689	128	6.49	90	4
1	690	128	6.20	60	1
1	691	64	6.53	60	4
1	692	128	6.43	60	4
2					3
##	693	128	6.67	60	5

1 ##	694	128	6.40	60	3
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1 ##	696	64	6.35	60	3
1 ##	697	128	6.38	60	4
1 ##	698	256	6.67	120	3
1	699	128	6.44	90	3
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1	701	128	6.28	120	2
1	702	128	6.67	120	3
1	703	256	6.76	120	3
1	704	64	6.52	60	3
1	705	512	7.80	120	3
1					
1	706	128	6.62	144	3
1	707	128	6.06	60	2
1	708	128	6.95	120	3
1	709	64	6.52	60	2
1	710	128	6.50	60	2
1	711	256	6.78	120	4
1	712	128	6.50	90	4
## 1	713	128	6.57	120	4
## 1	714	16	6.10	60	2
## 1	715	256	6.60	120	4
	716	128	6.67	120	3
	717	16	5.45	60	1
	718	128	6.50	120	3

	719	128	6.55	90	4	
	720	128	6.70	90	4	
2 ## 1	721	256	6.70	120	4	
	722	64	6.53	60	3	
	723	16	6.50	60	3	
	724	128	6.44	60	3	
## 1	725	128	6.67	144	3	
2	726	256	6.44	60	4	
1	727	128	6.20	60	3	
1	728	64	6.53	60	3	
1	729	128	6.40	60	4	
1	730	64	6.40	60	4	
1	731	64	6.35	60	3	
1	732	128	6.18	60	2	
1	733	32	6.52	60	2	
1	734 735	32 128	6.50 6.73	60 120	3	
1	736	256	6.67	120	3	
1	737	256	6.78	120	3	
1	738	64	6.10	60	1	
1	739	128	6.80	120	2	
1 ##	740	512	6.70	120	3	
	741	128	6.60	120	2	
	742	128	6.58	120	2	
1 ##	743	64	6.60	90	3	

##	744	128	6.50	144	3
	745	512	7.00	120	4
1 ## 1	746	256	6.70	120	3
	747	32	6.51	60	2
	748	128	6.70	90	4
	749	64	6.50	60	2
	750	256	6.60	120	3
## 1	751	128	6.58	90	3
## 1	752	128	6.67	120	3
1	753	256	6.70	120	3
1	754	32	6.51	60	2
1	755	64	6.51	60	2
1	756	32	6.53	60	1
1	757	1024	6.70	120	3
1	758	64	6.51	60	3
1	759	128	6.44	60	3
1	760 761	128 256	6.40 6.73	90 120	3
1	762	32	6.52	60	1
1	763	32	6.50	60	3
1	764	128	6.51	60	3
1	765	128	6.43	90	4
1	766	256	8.01	90	3
1 ##	767	128	6.50	90	3
1 ##	768	64	6.51	60	3

1 ##	769	128	6.52	60	3
1 ##	770	16	6.00	60	2
1	771	64	6.53	60	4
1	772	128	6.70	120	3
1	773	64	6.67	60	4
1					
1	774	128	6.70	120	4
## 2	775	64	6.60	90	4
## 2	776	256	6.58	90	4
## 1	777	32	6.35	60	2
	778	128	6.39	60	3
	779	64	6.22	60	2
##	780	128	6.30	60	2
	781	128	6.20	60	2
	782	128	6.73	144	3
	783	128	6.51	60	2
	784	128	6.50	60	2
1 ##	785	256	6.60	240	2
1 ##	786	128	6.67	120	3
1 ##	787	128	6.78	60	2
1 ##	788	256	6.62	120	3
1	789	512	6.70	60	2
1	790	1024	6.10	120	3
1	791	128	6.73	120	2
1					
1	792	128	6.58	90	3
##	793	64	6.52	60	2

1 ##	794	64	6.56	90	2	
	795	128	6.80	90	3	
	796	32	6.50	60	1	
	797	128	6.67	144	3	
	798	64	6.56	60	2	
	799	128	6.70	60	3	
	800	128	6.50	60	4	
	801	128	6.70	60	3	
1 ##	802	256	6.78	120	3	
1 ##	803	128	6.67	120	4	
1 ##	804	128	6.70	60	3	
1 ##	805	64	6.50	60	3	
	806	128	6.44	90	3	
	807	128	6.58	90	2	
	808	128	6.67	120	4	
	809	64	6.60	60	3	
	810	128	6.58	60	2	
	811	128	6.51	90	3	
	812	32	6.80	60	1	
	813	128	6.67	60	4	
	814	512	6.10	60	2	
	815	64	6.78	90	3	
	816	128	6.55	120	3	
	817	128	6.28	120	3	
1 ##	818	16	4.00	60	1	

	819	128	6.55	90	3
	820	128	6.50	60	3
	821	128	6.67	120	3
1 ## 1	822	512	6.50	144	2
	823	128	6.71	60	4
	824	128	6.50	60	3
	825	256	6.10	60	3
	826	128	6.53	60	1
## 1	827	64	6.50	90	4
## 1	828	16	5.30	60	1
## 1	829	128	6.43	60	4
## 1	830	128	6.50	60	3
1	831	128	6.00	90	3
1	832	32	6.22	60	1
1	833	128	6.40	60	4
1	834	128	6.53	60	3
1	835	64	6.53	60	3
1	836	64	6.53	60	4
1	837	64	6.22	60	2
1	838 839	64 64	6.20	60	1
1	840	64	5.90	60	2
1	841	256	6.70	60	3
1	842	64	5.84	60	2
1	843	64	5.50	60	1

1 ##	844	256	6.58	120	3
1 ##	845	64	6.52	60	3
1 ##	846	128	6.67	120	3
1 ##	847	256	6.67	120	3
1 ##	848	128	6.58	90	3
1	849	128	6.43	90	2
1	850	128	6.82	90	2
1	851	64	6.51	60	2
1	852	128	6.67	120	3
1	853	128	6.70	90	4
1	854	128	6.70	60	3
1	855	128	6.70	120	3
1					
1	856	128	6.43	120	3
1	857	128	6.60	60	3
1	858	128	6.70	120	3
1	859	256	6.56	120	3
1	860	64	6.52	90	3
1	861	256	6.43	60	2
1	862	128	7.20	60	3
## 1	863	128	6.80	90	3
## 2	864	256	6.70	120	4
## 1	865	64	6.60	60	2
	866	128	6.62	120	3
	867	64	6.00	60	3
	868	32	6.52	60	3

1 ##	869	64	6.95	60	4	
1 ##	870	128	6.67	120	3	
1	871	64	6.78	120	3	
1	872	128	6.55	120	4	
1	873	128	6.40	60	4	
1						
1	874	128	6.50	120	3	
1	875	8	5.00	60	1	
## 1	876	128	6.80	120	4	
## 1	877	128	6.53	90	4	
## 1	878	64	6.30	60	4	
	879	64	6.50	90	4	
	880	64	6.52	90	3	
	881	256	5.40	60	2	
	882	256	6.10	60	2	
	883	32	6.52	60	3	
##	884	128	6.67	60	4	
	885	32	6.22	60	2	
	886	128	6.44	90	4	
	887	128	6.70	60	4	
	888	256	6.39	60	3	
	889	64	6.53	60	4	
1 ##	890	16	6.20	60	2	
1 ##	891	32	6.00	60	1	
1 ##	892	32	5.00	60	1	
1	893	128	6.71	120	2	

	894	128	6.58	60	3
1 ## 1	895	64	6.50	60	3
	896	128	6.83	120	3
	897	128	6.43	90	3
1	898	64	6.50	90	2
1	899	32	6.52	60	2
1	900	64	6.60	60	2
1	901	64	6.60	90	2
1	902 903	128 64	6.90 6.50	120 60	3
1	904	128	6.55	120	3
2	905	32	6.00	60	1
1	906	1024	7.60	120	3
2 ##	907	128	6.55	120	2
	908	128	6.67	144	3
1 ## 1	909	256	6.70	120	3
	910	128	6.70	120	3
	911	128	6.50	60	3
	912	64	6.50	60	2
1	913	128	6.70	60	3
1	914	128	6.67	120	3
1	915	128	6.58	120	3
1	916 917	128 512	6.44 8.03	120 120	3 4
1	918	128	6.62	120	3

1 ##	919	64	6.60	90	2
1 ##	920	128	6.67	120	3
1 ##	921	128	6.70	60	3
1 ##	922	128	6.67	120	3
1 ##	923	128	6.60	90	3
1 ##	924	1024	6.10	120	3
	925	128	6.80	165	3
	926	64	6.52	60	2
1 ##	927	128	6.51	144	4
1 ##	928	32	6.51	60	2
1 ##	929	128	6.50	90	4
1 ##	930	128	6.67	120	3
	931	128	6.57	120	4
	932	128	6.51	60	3
	933	64	6.60	120	3
	934	128	6.62	120	3
	935	32	6.52	60	1
	936	128	6.40	60	4
	937	128	6.43	120	3
	938	128	6.34	60	2
	939	64	6.50	90	4
	940	128	6.40	60	3
	941	128	6.50	60	4
	942	128	6.53	60	1
1 ##	943	128	6.44	60	3

1 ##	944	128	6.50	90	3
1 ##	945	64	6.50	60	3
1	946	32	6.09	60	2
1	947	32	6.50	60	2
1					
1	948	256	6.67	90	4
## 1	949	64	6.50	60	2
## 1	950	128	6.55	90	3
## 1	951	256	6.50	60	3
	952	512	6.53	60	4
	953	32	6.40	60	3
##	954	16	6.10	60	2
	955	512	8.00	60	4
	956	128	6.40	60	3
1 ##	957	64	6.00	60	3
1 ##	958	16	5.20	60	1
1 ##	959	64	6.71	60	2
1	960	64	6.10	60	2
1	961	128	6.75	90	4
1					
1	962	128	6.56	90	2
1	963	128	6.30	60	3
## 1	964	32	6.50	60	2
	965	128	6.67	144	3
	966	64	6.82	60	1
	967	128	5.86	60	3
	968	256	6.43	120	3

	969		128	6.60	144	3
	970		256	6.70	120	3
2 ## 1	971		64	6.50	60	1
	972		256	6.73	120	3
	973		32	5.00	60	1
	974		256	6.73	120	3
1	975		256	8.03	120	3
1	976		128	6.67	120	3
1	977		128	6.50	60	3
1	978979		256 128	6.60 6.80	144 60	3
1	980		128	6.50	60	3
1 ##		os į			mary_camera_front	-
##		ed_memory android	_available	50.0	16.0	
0 ##	2	android		64.0	16.0	
1 ## 1	3	android		50.0	13.0	
## 1	4	android		50.0	16.0	
## 0	5	android		108.0	16.0	
## 1		android		50.0	8.0	
##		ios		12.0	12.0	
## 0 ##		android		200.0	16.0	
## 0 ##	9 10	android android		50.0 50.0	16.0 32.0	
		andiotu		J. W.	32.0	
0	11	android		108.0	16.0	

1 ##	13	android	50.0	16.0	
0	14		50.0	16.0	
1					
## 0	15	android	200.0	12.0	
## 0	16	ios	12.0	12.0	
	17	android	13.0	5.0	
	18	android	50.0	32.0	
	19	android	50.0	16.0	
	20	android	50.0	8.0	
##	21	android	50.0	16.0	
	22	android	64.0	32.0	
	23	android	64.0	16.0	
	24	android	48.0	13.0	
	25	android	64.0	32.0	
	26	android	12.0	32.0	
	27	android	64.0	16.0	
1 ##	28	ios	48.0	12.0	
0 ##	29	android	64.0	50.0	
1 ##	30	android	50.0	16.0	
0	31	android	108.0	16.0	
1	32	android	108.0	16.0	
0					
1	33	android	64.0	50.0	
0	34	ios	12.0	12.0	
## 1	35	android	108.0	32.0	
## 0	36	android	12.0	32.0	
	37	android	108.0	16.0	

	38	android	108.0	40.0	
	39	android	108.0	32.0	
	40	android	64.0	32.0	
0 ## 1	41	android	108.0	16.0	
	42	android	108.0	16.0	
	43	android	108.0	32.0	
	44	android	108.0	16.0	
	45	android	50.0	16.0	
## 1	46	android	50.0	8.0	
## 1	47	android	50.0	13.0	
1	48	android	50.0	5.0	
1	49	android	13.0	5.0	
1	50	android	108.0	32.0	
1	51	android	50.0	13.0	
0	52	android	64.0	16.0	
1	53	android	13.0	8.0	
1	54	android	50.0	16.0	
1	55	android	50.0	16.0	
1	56	android	50.0	8.0	
## 0 ##	58	ios android	12.0 64.0	12.0	
1	59	android	50.0	12.0	
0	60	android	50.0	16.0	
1	61	android	108.0	16.0	
0	62	android	64.0	50.0	

0 ##	63	android	50.0	8.0	
1	64	android			
1			50.0	8.0	
## 1	65	android	50.0	16.0	
## 0	66	android	50.0	50.0	
	67	android	50.0	32.0	
	68	android	200.0	16.0	
	69	android	50.0	8.0	
	70	other	50.0	NA	
	71	android	8.0	5.0	
	72	android	64.0	50.0	
##	73	android	50.0	8.0	
	74	android	50.0	16.0	
0 ## 1	75	android	48.0	8.0	
##	76	other	13.0	5.0	
	77	ios	12.0	12.0	
	78	android	64.0	32.0	
	79	android	48.0	13.0	
	80	android	13.0	5.0	
	81	android	108.0	16.0	
	82	android	50.0	13.0	
	83	android	48.0	16.0	
1 ##	84	android	50.0	16.0	
1 ##	85	android	50.0	5.0	
1	86	android	50.0	32.0	
0	87	android	50.0	8.0	
	0,	and ord	50.0	3.0	

	88	android	48.0	8.0	
	89	android	50.0	13.0	
	90	android	108.0	32.0	
1 ## 1	91	android	13.0	8.0	
	92	android	64.0	16.0	
	93	android	50.0	16.0	
	94	android	50.3	32.0	
	95	android	50.0	5.0	
## 1	96	android	50.0	16.0	
## 1	97	android	50.0	5.0	
## 0	98	android	50.0	16.0	
0	99	android	50.0	16.0	
1		android	50.0	16.0	
0	101	ios	48.0	12.0	
1		android	108.0	32.0	
0		android	50.0	32.0	
1		android	50.0	8.0	
1		android	48.0	16.0	
0		android	50.3	32.0	
0		android android	108.0 50.0	32.0 10.0	
0		android	50.0	16.0	
1		android	50.0	16.0	
0		android	64.0	32.0	
0	112	ios	12.0	12.0	

	113	android	64.0	16.0	
	114	android	64.0	32.0	
1 ## 1	115	android	8.0	5.0	
	116	android	50.0	32.0	
	117	android	108.0	32.0	
## 0	118	android	64.0	16.0	
0		android	50.0	32.0	
0		android	50.0	12.0	
0		android	50.0	60.0	
0		android	50.0	32.0	
0		android	12.2	8.0	
1		android android	108.0 50.0	16.0	
1		android	64.0	50.0	
0		android	50.0	16.0	
1		android	64.0	16.0	
1		android	48.0	13.0	
1 ##	130	android	12.2	8.0	
	131	android	50.0	5.0	
	132	android	48.0	16.0	
	133	android	48.0	8.0	
1 ## 0	134	android	50.0	16.0	
	135	android	64.0	16.0	
	136	android	108.0	16.0	
	137	ios	12.0	12.0	

0 ##	138	android	50.0	8.0	
1		android	50.0	16.0	
1					
0		android	64.0	16.0	
## 1	141	android	50.0	16.0	
## 0	142	android	50.0	32.0	
	143	android	50.0	16.0	
	144	android	5.0	2.0	
	145	android	13.0	8.0	
##	146	android	13.0	5.0	
	147	android	48.0	16.0	
	148	android	64.0	32.0	
	149	android	50.0	5.0	
	150	ios	12.0	12.0	
	151	android	48.0	13.0	
	152	android	50.0	16.0	
	153	ios	50.0	12.0	
0 ##	154	android	108.0	16.0	
1 ##	155	android	50.0	16.0	
1 ##	156	android	8.0	5.0	
1		android	64.0	16.0	
1					
1		android	64.0	32.0	
0	159	<na></na>	50.0	32.0	
## 1	160	android	108.0	16.0	
	161	android	50.0	16.0	
	162	ios	12.0	12.0	

0 ##	163	android	64.0	32.0	
0 ##	164	android	50.0	32.0	
0 ##	165	android	50.0	8.0	
1		android	64.0	13.0	
1		android	50.0	16.0	
1		android	48.0	16.0	
0		android	50.0	8.0	
1					
0		android	8.0	5.0	
1		android	108.0	32.0	
1		android	48.0	16.0	
## 1	173	android	48.0	8.0	
## 0	174	ios	12.0	7.0	
## 1	175	android	50.0	8.0	
## 1	176	android	64.0	13.0	
	177	android	50.0	16.0	
	178	android	50.0	16.0	
	179	android	64.0	50.0	
	180	android	64.0	16.0	
	181	android	200.0	32.0	
##	182	android	13.0	5.0	
	183	android	50.0	60.0	
	184	android	50.0	8.0	
	185	android	50.0	8.0	
	186	android	50.0	32.0	
0 ##	187	android	50.0	16.0	

1 ##	188	android	13.0	8.0	
	189	android	13.0	5.0	
	190	android	13.0	5.0	
	191	android	8.0	2.0	
1 ## 1	192	android	64.0	32.0	
	193	android	200.0	32.0	
	194	android	50.0	32.0	
	195	android	50.0	8.0	
## Ø	196	android	50.0	32.0	
## 1	197	android	50.0	16.0	
1		android	64.0	16.0	
1		android	13.0	5.0	
1		android	50.0	8.0	
1		android	50.0	8.0	
0		android	200.0	60.0	
0		android	108.0	32.0	
1		android	50.0	16.0	
1		android android	50.0 50.0	8.0 16.0	
0		android	50.0	32.0	
1		android	50.0	8.0	
1		android	50.0	16.0	
0	210	ios	48.0	12.0	
0 ##	211	android	64.0	32.0	
0 ##	212	android	48.0	16.0	

1 ##	213	android	64.0	16.0	
1		android	50.0	8.0	
1					
0		android	64.0	16.0	
## 0	216	android	50.0	10.8	
## 1	217	android	50.0	8.0	
	218	android	108.0	50.0	
	219	android	13.0	5.0	
	220	android	64.0	16.0	
	221	android	50.0	16.0	
	222	android	50.0	8.0	
	223	android	50.0	32.0	
	224	android	50.0	13.0	
	225	android	8.0	5.0	
	226	android	13.0	5.0	
	227	android	48.0	16.0	
	228	android	64.0	16.0	
##	229	android	50.0	32.0	
	230	android	50.0	32.0	
	231	android	50.0	16.0	
	232	android	50.0	8.0	
	233	android	50.0	5.0	
	234	android	50.0	8.0	
	235	android	50.0	16.0	
1 ##	236	android	50.0	20.0	
0 ##	237	android	13.0	5.0	

238	android	64.0	16.0	
239	android	50.0	44.0	
240	android	200.0	16.0	
241	android	13.0	8.0	
248	android	50.0	16.0	
249	android	50.0	16.0	
250	android	50.0	13.0	
251	android	50.0	32.0	
252	android	108.0	60.0	
253	android	50.0	16.0	
254	android	108.0	16.0	
255	android	108.0	16.0	
256	android	12.0	32.0	
257	android	50.0	10.0	
258	android	13.0	8.0	
259	android	50.0	16.0	
260	android	50.0	8.0	
261	android	50.0	16.0	
262	android	13.0	5.0	
	239 240 241 242 243 244 245 246 247 248 250 251 252 253 254 255 256 257 258 259 260 261	238 android 239 android 240 android 241 android 242 android 243 android 244 android 245 android 247 ios 248 android 249 android 250 android 251 android 252 android 253 android 254 android 255 android 256 android 257 android 258 android 259 android	239 android 50.0 240 android 200.0 241 android 13.0 242 android 108.0 243 android 64.0 244 android 50.0 245 android 50.0 246 android 64.0 247 ios 12.0 248 android 50.0 249 android 50.0 250 android 50.0 251 android 50.0 252 android 108.0 253 android 108.0 254 android 108.0 255 android 108.0 256 android 12.0 257 android 50.0 258 android 13.0 259 android 50.0 260 android 50.0 261 android 50.0	239 android 50.0 44.0 240 android 200.0 16.0 241 android 13.0 8.0 242 android 108.0 32.0 243 android 64.0 16.0 244 android 50.0 10.8 245 android 50.0 16.0 246 android 64.0 32.0 247 ios 12.0 12.0 248 android 50.0 16.0 249 android 50.0 16.0 250 android 50.0 32.0 251 android 50.0 32.0 252 android 108.0 60.0 253 android 108.0 16.0 254 android 108.0 16.0 255 android 108.0 16.0 256 android 12.0 32.0 257 android 50.0 10.0 258 android 13.0 8.0 259 android 50.0 16.0 260 android 50.0 8.0 261 android 50.0 16.0

1 ##	263	ios	12.0	7.0	
0					
1		android	64.0	32.0	
## 1	265	android	50.0	16.0	
	266	android	50.0	32.0	
	267	android	50.0	16.0	
	268	android	108.0	16.0	
## 0	269	android	50.0	32.0	
## 1	270	android	64.0	20.0	
## 0	271	android	50.0	11.1	
	272	android	50.0	8.0	
	273	android	50.0	5.0	
	274	android	108.0	16.0	
	275	android	50.0	32.0	
	276	ios	12.0	12.0	
	277	android	50.0	8.0	
	278	android	13.0	5.0	
## 0	279	android	50.0	12.0	
	280	android	50.0	44.0	
	281	ios	12.0	12.0	
	282	android	48.0	8.0	
	283	android	64.0	16.0	
	284	android	50.0	8.0	
	285	android	50.0	16.0	
	286	android	50.0	16.0	
	287	android	108.0	16.0	

1 ##	288	android	50.0	8.0	
1					
## 0	289	ios	48.0	12.0	
## 1	290	android	50.0	8.0	
	291	android	50.0	16.0	
	292	android	64.0	13.0	
	293	android	8.0	5.0	
## 1	294	android	50.0	8.0	
## 0	295	android	200.0	60.0	
## 1	296	android	64.0	16.0	
	297	android	50.0	32.0	
	298	android	13.0	5.0	
	299	android	8.0	5.0	
	300	android	64.0	16.0	
	301	android	8.0	5.0	
## 1	302	android	50.0	13.0	
## 1	303	android	50.0	5.0	
## 1	304	android	64.0	20.0	
## 0	305	<na></na>	12.0	10.0	
	306	ios	12.0	12.0	
	307	android	50.0	16.0	
	308	android	50.0	8.0	
	309	android	64.0	32.0	
	310	android	50.0	16.0	
	311	android	64.0	32.0	
	312	android	108.0	40.0	

0 ##	313	android	50.0	16.0	
0		android	8.0	8.0	
1					
0		android	50.0	50.0	
## 1	316	android	50.0	5.0	
## 0	317	android	64.0	32.0	
	318	android	48.0	16.0	
	319	android	50.0	16.0	
## 0	320	android	50.0	10.0	
## 0	321	<na></na>	64.0	32.0	
	322	ios	12.0	12.0	
	323	android	48.0	13.0	
	324	android	13.0	8.0	
	325	android	50.0	8.0	
	326	android	64.0	16.0	
## 0	327	android	108.0	40.0	
## 1	328	android	13.0	8.0	
## 1	329	android	50.0	8.0	
## 1	330	android	64.0	32.0	
	331	android	64.0	16.0	
	332	android	108.0	32.0	
	333	android	48.0	16.0	
	334	android	64.0	20.0	
	335	android	50.0	16.0	
	336	android	8.0	5.0	
	337	android	108.0	32.0	

1 ##	338	android	48.0	16.0	
	339	android	108.0	16.0	
	340	android	13.0	5.0	
	341	android	64.0	16.0	
	342	android	50.0	5.0	
1 ## 1	343	android	64.0	16.0	
	344	android	64.0	16.0	
	345	ios	12.0	12.0	
	346	android	50.0	32.0	
	347	android	50.3	32.0	
	348	android	50.0	16.0	
## 1	349	android	50.0	16.0	
## 1	350	android	13.0	5.0	
## 1	351	android	13.0	8.0	
1		android	13.0	8.0	
0		android	54.0	16.0	
1		android	8.0	5.0	
1		android	50.0	8.0	
1		android	50.0	8.0	
1		android	13.0	5.0	
0		android android	64.0 108.0	20.0	
1		android	200.0	20.0	
0		android	48.0	16.0	
0	362	ios	12.0	12.0	

0 ##	363	android	200.0	60.0	
	364	<na></na>	50.0	32.0	
	365	android	50.0	16.0	
	366	android	13.0	8.0	
1 ## 0	367	android	12.0	32.0	
	368	android	50.0	16.0	
	369	android	12.0	8.0	
	370	android	64.0	44.0	
	371	android	64.0	20.0	
_	372	android	12.0	32.0	
	373	android	16.0	8.0	
	374	android	16.0	10.0	
## 0	375	android	50.0	16.0	
## 1	376	android	64.0	32.0	
## 0	377	android	50.0	16.0	
## 0	378	android	64.0	10.0	
1		android	64.0	32.0	
1		android	8.0	5.0	
0		android	13.0	8.0	
1		android	13.0	8.0	
1		android	50.0	16.0	
1		android	64.0	16.0	
0		android	50.0	16.0	
1		android android	50.0 50.0	5.0 16.0	
##	507	andi OIU	שיפכ	10.0	

	388	android	48.0	16.0	
	389	android	48.0	16.0	
1 ## 0	390	<na></na>	50.0	32.0	
	391	android	64.0	20.0	
	392	android	64.0	16.0	
## 1	393	android	64.0	16.0	
1		android	48.0	16.0	
1		android	50.0	5.0	
1		android	50.0	16.0	
0		android	8.0	8.0	
0	398	android ios	50.0 48.0	16.0	
0		android	8.0	5.0	
1		android	200.0	10.0	
1		android	50.0	16.0	
1 ##	403	android	50.0	16.0	
	404	android	50.0	32.0	
	405	android	64.0	32.0	
	406	android	108.0	16.0	
1 ## 0	407	android	64.0	32.0	
	408	android	48.0	8.0	
	409	android	48.0	16.0	
	410	android	48.0	5.0	
	411	android	13.0	16.0	
##	412	android	48.0	20.0	

0 ##	413	android	64.0	32.0	
0					
## 0	414	android	64.0	32.0	
## 1	415	android	13.0	5.0	
## 0	416	android	108.0	16.0	
	417	ios	48.0	12.0	
	418	android	108.0	16.0	
## 0	419	android	200.0	60.0	
## 0	420	android	50.0	32.0	
## 0	421	android	54.0	32.0	
	422	android	50.0	32.0	
	423	android	108.0	50.0	
	424	android	50.0	16.0	
	425	android	108.0	16.0	
	426	android	108.0	32.0	
	427	android	48.0	13.0	
	428	android	13.0	2.1	
	429	android	64.0	20.0	
	430	android	64.0	32.0	
	431	android	64.0	32.0	
	432	android	48.0	16.0	
	433	android	13.0	5.0	
	434	android	50.0	8.0	
	435	android	108.0	16.0	
	436	ios	12.0	7.0	
	437	android	64.0	32.0	

1 ##	438	android	48.0	20.0	
1 ##	439	android	13.0	5.0	
	440	android	64.0	20.0	
	441	android	50.0	8.0	
	442	android	50.0	12.0	
0 ## 0	443	android	200.0	16.0	
	444	android	8.0	5.0	
	445	ios	50.0	12.0	
	446	android	50.0	8.0	
	447	android	50.0	8.0	
	448	android	50.0	32.0	
	449	android	64.0	16.0	
## 0	450	android	50.0	48.0	
## 1	451	android	13.0	5.0	
## 1	452	android	50.0	5.0	
## 0	453	android	50.0	12.0	
1		android	13.0	8.0	
0		android	48.0	16.0	
1		android	48.0	8.0	
1		android	50.0	8.0	
1					
0					
0					
0					
## 1 ## 0 ## 0 ##	459 460 461	android android android android android	48.0 108.0 50.0 64.0 50.0	13.0 NA 32.0 16.0 8.0	

1 ##	463	android	50.0	8.0	
1					
## 1	464	android	13.0	8.0	
## 1	465	android	64.0	16.0	
	466	android	64.0	16.0	
	467	android	64.0	20.0	
	468	android	8.0	5.0	
	469	android	108.0	16.0	
	470	android	64.0	20.0	
	471	android	64.0	10.0	
	472	android	12.0	20.0	
	473	android	5.0	2.0	
	474	android	13.0	5.0	
	475	android	13.0	5.0	
_	476	android	8.0	5.0	
	477	android	2.0	0.3	
	478	android	50.0	16.0	
	479	other	50.0	13.0	
	480	android	64.0	32.0	
	481	android	50.0	16.0	
	482	android	12.0	8.0	
	483	android	13.0	16.0	
	484	android	12.0	12.0	
	485	android	50.0	8.0	
	486	android	108.0	16.0	
	487	android	50.0	8.0	

1 ##	488	android	64.0	8.0	
0					
## 1	489	android	16.0	8.0	
## 0	490	android	64.0	16.0	
	491	android	48.0	8.0	
	492	android	64.0	16.0	
	493	android	48.0	16.0	
## 1	494	android	50.0	8.0	
## 0	495	android	64.0	16.0	
## 1	496	android	50.0	8.0	
	497	android	13.0	5.0	
	498	android	50.0	13.0	
	499	<na></na>	12.0	10.0	
	500	android	20.0	16.0	
	501	android	12.2	8.0	
	502	android	8.0	5.0	
## 0	503	android	54.0	32.0	
## 1	504	android	50.0	16.0	
	505	android	13.0	8.0	
	506	android	64.0	20.0	
	507	android	64.0	8.0	
	508	android	50.0	16.0	
	509	android	48.0	8.0	
	510	android	16.0	8.0	
	511	android	108.0	32.0	
	512	android	200.0	16.0	

0 ##	513	android	50.0	8.0	
1		android	50.0	32.0	
0					
## 0	515	android	50.0	16.0	
## 1	516	android	50.0	16.0	
## 1	517	android	13.0	8.0	
	518	android	50.0	16.0	
	519	android	8.0	5.0	
	520	android	108.0	16.0	
## 0	521	android	50.0	32.0	
	522	ios	12.0	12.0	
	523	android	64.0	16.0	
	524	android	50.0	16.0	
	525	android	64.0	44.0	
	526	android	48.0	16.0	
	527	android	50.0	16.0	
	528	android	50.0	11.1	
	529	android	13.0	5.0	
	530	android	50.0	8.0	
	531	android	50.0	8.0	
_	532	android	50.0	5.0	
_	533	android	64.0	16.0	
	534	android	50.0	32.0	
	535	android	50.0	16.0	
	536	android	108.0	16.0	
	537	android	50.0	10.0	

0 ##	538	android	64.0	16.0	
0		android	50.0	8.0	
1					
1		android	48.0	16.0	
## 1	541	android	64.0	16.0	
## 1	542	android	64.0	16.0	
	543	android	200.0	32.0	
	544	android	48.0	8.0	
	545	android	108.0	16.0	
	546	android	48.0	16.0	
##	547	android	64.0	16.0	
	548	android	64.0	10.0	
	549	android	48.0	20.0	
	550	android	16.0	8.0	
	551	android	50.0	32.0	
	552	android	50.0	16.0	
	553	android	64.0	16.0	
	554	android	13.0	5.0	
1 ##	555	android	64.0	16.0	
1 ##	556	android	50.0	8.0	
1 ##	557	android	64.0	24.0	
0 ##	558	android	64.0	32.0	
0 ##	559	android	48.0	13.0	
1		android	50.0	16.0	
0		android			
0			12.0	10.0	
##	562	<na></na>	64.0	32.0	

	563	android	64.0	32.0	
1 ## 1	564	android	64.0	32.0	
	565	android	13.0	5.0	
	566	android	13.0	5.0	
## 1	567	android	13.0	8.0	
1		android	50.0	16.0	
0		android	50.0	32.0	
1		android	50.0	8.0	
1		android	50.0	8.0	
0		android	50.0	60.0	
0		android	64.0	16.0	
0		android	64.0	16.0	
1		android	50.0	8.0	
1		android android	50.0 13.0	8.0 5.0	
1		android	50.0	5.0	
1		android	48.0	32.0	
1		android	50.0	16.0	
0		android	108.0	16.0	
1		android	64.0	16.0	
0		android	50.0	16.0	
0 ##	584	android	8.0	5.0	
	585	android	13.0	5.0	
	586	android	13.0	8.0	
1 ##	587	android	48.0	13.0	

1 ##	588	android	48.0	8.0	
	589	android	13.0	8.0	
	590	android	48.0	8.0	
1 ## 1	591	android	64.0	44.0	
	592	android	64.0	32.0	
	593	android	48.0	16.0	
	594	android	108.0	40.0	
	595	ios	12.0	12.0	
## 0	596	ios	13.0	7.0	
1		android	50.0	16.0	
1		android	13.0	5.0	
1		android	48.0	13.0	
0		<na></na>	64.0	NA	
1		android	108.0	32.0	
0		android	64.0	20.0	
1		android	64.0	16.0	
1		android android	48.0 50.0	16.0 16.0	
1		android	108.0	16.0	
1		android	64.0	16.0	
1		android	50.0	16.0	
1 ##	609	android	50.0	16.0	
	610	android	48.0	8.0	
	611	android	13.0	5.0	
1 ##	612	android	13.0	8.0	

1 ##	613	android	64.0	44.0	
1 ##	614	ios	12.0	12.0	
0 ##	615	android	12.0	8.0	
1 ##	616	android	108.0	25.0	
0 ##	617	android	64.0	10.0	
	618	android	48.0	8.0	
	619	android	50.0	16.0	
	620	android	64.0	16.0	
	621	android	8.0	5.0	
	622	ios	12.0	12.0	
	623	android	50.0	16.0	
	624	android	64.0	32.0	
0 ## 1	625	android	64.0	16.0	
	626	android	108.0	40.0	
	627	android	64.0	20.0	
	628	android	108.0	16.0	
	629	android	13.0	8.0	
	630	android	64.0	10.0	
## 1	631	android	50.0	16.0	
## 1	632	other	50.0	13.0	
## 1	633	android	13.0	5.0	
## 0	634	android	50.0	12.0	
## Ø	635	android	64.0	16.0	
1		android	48.0	16.0	
##	637	android	13.0	8.0	

	638	android	13.0	5.0	
	639	ios	12.0	7.0	
	640	android	8.0	5.0	
0 ## 0	641	android	64.0	32.0	
	642	android	50.0	8.0	
	643	android	50.0	32.0	
	644	android	64.0	32.0	
	645	android	50.0	8.0	
	646	android	48.0	16.0	
	647	android	8.0	5.0	
## 1	648	android	50.0	16.0	
## 0	649	android	50.0	5.0	
## 0	650	android	50.0	13.0	
## 1	651	android	50.0	8.0	
## 1	652	android	8.0	5.0	
## 1	653	android	50.0	8.0	
1		android	48.0	8.0	
1		android	64.0	16.0	
1		android	64.0	16.0	
0		android	48.0	20.0	
1		android	48.0	13.0	
1		android	108.0	16.0	
0		android	64.0	20.0	
1		android	48.0	16.0	
##	662	android	64.0	16.0	

1 ##	663	<na></na>	64.0	10.0	
0 ##	664	android	12.0	32.0	
1		android	12.0	10.0	
1					
## 0	666	android	50.0	16.0	
## 1	667	android	50.0	5.0	
	668	android	13.0	5.0	
## 1	669	android	8.0	5.0	
## 1	670	android	8.0	5.0	
## 1	671	android	13.0	5.0	
## 1	672	android	108.0	32.0	
	673	android	48.0	8.0	
	674	android	48.0	16.0	
	675	android	108.0	16.0	
	676	android	13.0	5.0	
## 1	677	android	8.0	5.0	
## 1	678	android	12.0	12.0	
## 0	679	android	64.0	16.0	
	680	android	50.0	8.0	
	681	android	108.0	32.0	
	682	android	50.0	32.0	
	683	ios	12.0	12.0	
##	684	android	50.0	8.0	
	685	android	48.0	16.0	
	686	android	48.0	20.0	
1 ##	687	android	48.0	16.0	

1 ##	688	android	64.0	16.0	
0 ##	689	android	64.0	16.0	
1		android	16.0	13.0	
1					
1		android	13.0	8.0	
## 1	692	android	48.0	16.0	
## 1	693	android	48.0	16.0	
	694	android	48.0	32.0	
	695	android	12.0	10.0	
	696	android	13.0	16.0	
##	697	android	48.0	32.0	
	698	android	64.0	32.0	
	699	android	64.0	44.0	
	700	<na></na>	50.0	12.0	
0					
	701	android	64.0	32.0	
0 ##		android android	64.0 108.0	32.0 20.0	
0 ## 0	702				
0 ## 0 ## 0	702 703	android	108.0	20.0	
0 ## 0 ## 0 ##	702 703 704	android other android	108.0 64.0 13.0	20.0 13.0 5.0	
0 ## 0 ## 0 ## 1 ##	702703704705	android other android <na></na>	108.0 64.0 13.0 50.0	20.0 13.0 5.0 10.7	
0 ## 0 ## 0 ## 1 ## 1	702703704705706	android other android <na> android</na>	108.0 64.0 13.0 50.0	20.0 13.0 5.0 10.7 16.0	
0 ## 0 ## 0 ## 1 ## 0 ## 1 ##	702 703 704 705 706 707	android other android <na> android ios</na>	108.0 64.0 13.0 50.0 50.0	20.0 13.0 5.0 10.7 16.0 13.0	
0 ## 0 ## 1 ## 1 ## 0 ## 1	702 703 704 705 706 707 708	android other android <na> android ios android</na>	108.0 64.0 13.0 50.0	20.0 13.0 5.0 10.7 16.0	
0 ## 0 ## 1 ## 1 ## 0 ## 1	702 703 704 705 706 707 708	android other android <na> android ios</na>	108.0 64.0 13.0 50.0 50.0	20.0 13.0 5.0 10.7 16.0 13.0	
0 ## 0 ## 0 ## 1 ## 0 ## 1 ## 1 ##	702 703 704 705 706 707 708 709	android other android <na> android ios android</na>	108.0 64.0 13.0 50.0 50.0 50.0	20.0 13.0 5.0 10.7 16.0 13.0 16.0	
0 ## 0 ## 0 ## 1 ## 0 ## 1 ## 1 ## 1 ##	702 703 704 705 706 707 708 709 710	android other android <na> android ios android android</na>	108.0 64.0 13.0 50.0 50.0 50.0 50.0	20.0 13.0 5.0 10.7 16.0 13.0 16.0 8.0	

1	713	other	50.0	32.0	
0	/13	other	30.0	32.0	
## 1	714	android	5.0	5.0	
##	715	other	50.0	13.0	
1 ## 0	716	android	48.0	20.0	
	717	android	5.0	5.0	
	718	android	48.0	16.0	
	719	android	50.0	32.0	
	720	android	64.0	16.0	
## 0	721	android	50.0	32.0	
	722	android	48.0	8.0	
	723	android	8.0	8.0	
	724	android	64.0	44.0	
	725	android	108.0	20.0	
	726	android	48.0	32.0	
	727	android	64.0	10.0	
## 1	728	android	16.0	16.0	
## 1	729	android	64.0	32.0	
	730	android	64.0	16.0	
	731	android	13.0	8.0	
## 1	732	android	12.0	20.0	
	733	android	8.0	5.0	
	734	android	20.0	13.0	
	735	android	50.0	20.0	
	736	android	50.0	32.0	
	737	android	200.0	50.0	

	738	ios	12.0	10.8	
0 ##	739	android	50.0	8.0	
1 ##	740	ios	48.0	12.0	
0		android	50.0	10.1	
0		android	50.0	16.0	
0					
1		android	50.0	16.0	
## 0	744	android	50.0	32.0	
## 0	745	android	50.0	16.0	
	746	android	50.0	32.0	
##	747	android	13.0	8.0	
	748	android	64.0	16.0	
	749	android	48.0	5.0	
	750	android	50.0	10.0	
0 ##	751	android	50.0	16.0	
1 ##	752	android	108.0	16.0	
1 ##	753	android	50.0	32.0	
0		android	13.0	8.0	
1					
1		android	13.0	8.0	
1		android	13.0	5.0	
## 0	757	ios	12.0	12.0	
	758	android	13.0	8.0	
	759	android	64.0	50.0	
	760	android	48.0	13.0	
##	761	android	50.0	20.0	
0 ##	762	android	8.0	5.0	

	763	android	13.0	5.0	
	764	android	13.0	16.0	
1 ## 1	765	android	48.0	13.0	
	766	android	108.0	20.0	
## 1	767	android	48.0	16.0	
1		android	13.0	16.0	
1		android	13.0	8.0	
1		android	8.0	5.0	
1		android	48.0	8.0	
0		android android	64.0 48.0	10.0	
1		android	64.0	10.0	
1		android	64.0	16.0	
1		android	50.0	32.0	
	777	android	13.0	8.0	
	778	android	48.0	32.0	
	779	android	13.0	20.0	
1 ## 1	780	android	16.0	25.0	
_	781	android	12.0	8.0	
_	782	android	50.0	16.0	
	783	android	13.0	5.0	
1		android	50.0	5.0	
1		android	47.2	12.6	
0		android	50.0	32.0	
##	787	android	50.0	8.0	

1 ##	788	android	64.0	16.0	
	789	ios	12.0	12.0	
	790	ios	48.0	12.0	
	791	android	64.0	16.0	
1 ## 1	792	android	50.0	8.0	
	793	android	13.0	5.0	
	794	android	48.0	16.0	
	795	android	48.0	32.0	
	796	android	8.0	5.0	
	797	android	108.0	20.0	
## 1	798	android	13.0	8.0	
## 1	799	android	50.0	16.0	
## Ø	800	android	64.0	32.0	
1		android	64.0	32.0	
0		android	50.0	32.0	
1		android	64.0	32.0	
1		android	50.0	16.0	
1		android	48.0	8.0	
1		android	50.0	16.0	
0		android android	50.0 108.0	5.0 16.0	
1		android	50.0	8.0	
1		android	50.0	8.0	
0		android	50.0	8.0	
1		android	13.0	5.0	

1	813	android	48.0	16.0	
1					
##	814	ios	12.0	12.0	
	815	android	50.0	8.0	
	816	android	50.0	32.0	
	817	android	50.0	32.0	
## 0	818	<na></na>	5.0	2.0	
1		android	64.0	16.0	
1		android	48.0	16.0	
## 0	821	android	108.0	20.0	
## 0	822	android	64.0	20.0	
	823	android	64.0	32.0	
	824	android	13.0	8.0	
	825	ios	12.0	12.0	
## 1	826	android	13.0	5.0	
1		android	64.0	16.0	
1		android	8.0	5.0	
0		android	64.0	32.0	
1		android	12.0	8.0	
1		android	12.0	8.0	
1		android	13.0	5.0	
1		android	48.0	16.0	
1		android	16.0	16.0	
1		android	16.0	16.0	
## 1	836	android	48.0	13.0	
##	837	android	12.0	8.0	

1 ##	838	android	13.0	8.0	
	839	android	12.2	8.0	
	840	android	16.0	25.0	
	841	android	16.0	10.0	
1 ## 1	842	android	13.0	16.0	
	843	android	13.0	5.0	
	844	android	108.0	32.0	
	845	other	50.0	5.0	
	846	android	64.0	16.0	
## 1	847	android	64.0	32.0	
## 1	848	android	50.0	8.0	
## 1	849	android	50.0	16.0	
## 1	850	android	16.0	8.0	
1		android	13.0	8.0	
0		other	50.0	60.0	
1		other	50.0	8.0	
0		android	48.0	16.0	
1		android	108.0	16.0	
0		android	50.0	32.0	
1		android android	50.0	8.0	
0		android	50.0 48.0	16.0 16.0	
0		android	64.0	16.0	
1		android	48.0	16.0	
1	862	<na></na>	64.0	32.0	

0 ##	863	android	48.0	16.0	
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0		android	50.0	8.0	
1					
## 0	866	android	64.0	16.0	
## 1	867	android	12.0	8.0	
## 1	868	android	13.0	5.0	
## 1	869	android	48.0	8.0	
	870	android	50.0	16.0	
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	872	android	108.0	16.0	
	873	android	64.0	16.0	
	874	android	48.0	16.0	
	875	android	5.0	2.0	
	876	android	108.0	40.0	
	877	android	64.0	32.0	
	878	android	48.0	13.0	
	879	android	48.0	8.0	
	880	android	13.0	8.0	
	881	ios	12.0	12.0	
	882	ios	12.0	12.0	
	883	android	13.0	5.0	
	884	android	48.0	16.0	
	885	android	13.0	5.0	
##	886	android	64.0	32.0	
0 ##	887	android	64.0	10.0	

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_	890	android	13.0	8.0	
	891	android	13.0	16.0	
	892	android	13.0	13.0	
## 0	893	ios	12.0	12.0	
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1		android	13.0	8.0	
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0		android	50.0	32.0	
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1		android	8.0	5.0	
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1		android	13.0	8.0	
1		android	50.0 50.0	16.0	
1		android android	50.0	5.0 32.0	
0		android	13.0	5.0	
1		android	50.0	10.0	
0		android	50.0	16.0	
0		android	200.0	60.0	
0		android	50.0	16.0	
0		android	50.0	16.0	
0		android	64.0	32.0	
1		android	48.0	5.0	

1 ##	913	android	50.0	16.0	
	914	android	64.0	20.0	
	915	android	50.0	16.0	
1 ## 1	916	android	50.0	16.0	
	917	android	50.0	16.0	
	918	android	50.0	16.0	
	919	android	13.0	8.0	
	920	android	50.0	16.0	
## 1	921	android	50.0	16.0	
## 1	922	android	108.0	16.0	
## 1	923	android	64.0	8.0	
0	924		12.0	12.0	
0		android	64.0	8.0	
1		android	13.0	5.0	
1		other	200.0	16.0	
1		android	13.0	8.0	
1		android	64.0	16.0	
0		android android	64.0 108.0	16.0 32.0	
0		android	13.0	16.0	
1		android	50.0	16.0	
1		android	48.0	16.0	
0		android	8.0	5.0	
1		android	48.0	13.0	
1		android	64.0	16.0	

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	939	android	48.0	8.0	
1 ## 1	940	android	64.0	32.0	
_	941	android	48.0	13.0	
	942	android	13.0	5.0	
## 1	943	android	48.0	32.0	
## 1	944	android	13.0	16.0	
1		android	48.0	8.0	
1		android	8.0	5.0	
1		android	13.0	5.0	
0		android	108.0	20.0	
1		android	13.0	13.0	
0		android	64.0	16.0	
1		android	48.0	16.0	
1		android	40.0	32.0	
1		android android	13.0 13.0	8.0 5.0	
1	955	<na></na>	48.0	NA NA	
0		android	24.0	24.0	
1		android	24.0	24.0	
1		android	13.0	5.0	
1 ##	959	android	50.0	5.0	
1 ##	960	android	13.0	8.0	
	961	android	50.0	8.0	
1 ##	962	android	13.0	8.0	

1	963	android	108.0	32.0	
1			100.0	32.0	
	964	android	8.0	5.0	
1 ##	965	android	50.0	32.0	
0	707	andi ota	30.0	32.0	
## 1	966	android	20.0	13.0	
	967	android	16.0	8.0	
	968	android	50.0	32.0	
	969	android	50.0	32.0	
	970	android	64.0	32.0	
	971	android	8.0	5.0	
##	972	android	50.0	32.0	
	973	android	2.0	NA	
	974	android	50.0	12.0	
	975	android	50.0	32.0	
	976	android	64.0	16.0	
	977	android	48.0	8.0	
	978	android	64.0	16.0	
	979	android	108.0	32.0	
	980	android	64.0	32.0	
1 ##		extended ur	oto resolution width	resolution height	
##	1	excended_up	NA 1440	3216	
##		10	024 1080	2412	
##			024 1080	2408	
##			024 1080	2400	
##		16	NA 1080	2412	
##		10	024 1080	2408	
##		16	NA 1170	2532	
##			NA 1080	2400	
##			NA 1080	2400	
##			NA 1080	2400	
##		10	024 1080	2400	
	12	16	NA 720	1612	
11 11			720	1012	

##	13	NA	1080	2400	
##	14	1024	1080	2408	
##	15	NA	1440	3088	
##	16	NA	1170	2532	
##	17	NA	720	1600	
##	18	NA	1080	2412	
##		NA	1080	2412	
##		1024	720	1612	
##		NA	1080	2412	
##		NA	1080	2376	
##		1024	1080	2400	
	24	1024	1080	2400	
##		NA	1080	2400	
	26	NA NA	1080	2400	
##		1024	1080	2412	
##		NA	1290	2796	
##					
##		1024 NA	1080	2408	
			1440	3216	
##		1024	1080	2400	
##		NA	1080	2400	
##		NA	1080	2400	
##		NA	828	1792	
##		1024	1080	2400	
##		NA	1080	2340	
##		1024	1080	2400	
	38	NA	1440	3080	
##		512	1080	2460	
##	40	NA	1080	2412	
##	41	1024	1080	2412	
##	42	1024	1080	2400	
##	43	1024	1080	2400	
##	44	NA	1080	2412	
##	45	1024	1080	2408	
##	46	1024	1080	2400	
##	47	512	1080	2400	
##		1024	720	1600	
##		NA	720	1600	
##		1024	1080	2412	
##		1024	1080	2408	
	52	NA	1080	2400	
	53	512	720	1600	
##		1024	1080	2400	
##		1024	1080	2400	
##		1024	1080	2408	
##		NA	1284	2778	
	5 <i>7</i>	512	1080	2400	
	59	NA	1080	2340	
##		1024	1080	2400	
##		NA NA	1080	2460	
##	62	NA	1080	2400	

##	63	1024	1080	2408
##	64	1024	720	1612
##	65	1024	1080	2400
##	66	NA	1080	2400
##	67	NA	1440	3216
##	68	NA	1080	2400
##	69	1024	1080	2408
##	70	NA	1792	1920
##	71	1024	720	1612
##	72	NA	1080	2400
##	73	1024	1080	2408
##	74	NA	1080	2412
##	75	1024	1080	2400
##	76	NA	720	1600
##	77	NA	1170	2532
##	78	1024	1080	2400
##	79	1024	1080	2400
##	80	512	720	1600
##	81	NA	1080	2400
##	82	1024	1080	2408
##	83	1024	1080	2400
##	84	1024	1080	2408
##	85	1024	720	1600
##		NA	1080	2400
##		1024	1080	2408
##	88	1024	720	1612
##		512	1080	2400
##		1024	1080	2400
##	91	1024	720	1600
##		NA	1080	2412
##		1024	1080	2400
##	94	NA	1440	3200
##		1024	720	1600
##		1024	1080	2412
##	97	1024	720	1612
##		NA	1440	3200
##		NA	1916	2160
	100	1024	1080	2408
##	101	NA	1179	2556
	102	512	1080	2400
##	103	NA	1080	2460
	104	1024	1080	2408
	105	256	1080	2400
	106	NA	1440	3200
	107	NA	1080	2400
	108	NA	1080	2340
	109	1024	1080	2408
	110	NA	1080	2412
	111	NA	1080	2400
	112	NA	1170	2532

## 113	NA	1080	2460	
## 114	1024	1080	2400	
## 115	512	720	1600	
## 116	NA	1080	2400	
## 117	1024	1080	2400	
## 118	NA	1080	2404	
## 119	NA	1080	2448	
## 120	NA	1080	2340	
## 121	NA	1080	2400	
## 122	NA	1080	2400	
## 123	NA	1080	2400	
## 124	2048	1080	2400	
## 125	1024	1080	2400	
## 126	NA	1080	2400	
## 127	1024	1080	2400	
## 127 ## 128				
	1024	1080	2412	
## 129	1024	1080	2400	
## 130	NA 513	1080	2400	
## 131	512	1080	2408	
## 132	512	1080	2400	
## 133	1024	720	1600	
## 134	NA	1080	2400	
## 135	1024	1080	2400	
## 136	1024	1080	2400	
## 137	NA	828	1792	
## 138	1024	1080	2408	
## 139	1024	1080	2412	
## 140	NA	1080	2400	
## 141	1024	1080	2408	
## 142	NA	1080	2412	
## 143	1024	1080	2400	
## 144	128	720	1280	
## 145	NA	720	1560	
## 146	1024	720	1600	
## 147	NA	1080	2400	
## 148	NA	1080	2400	
## 149	512	720	1600	
## 150	NA	1080	2340	
## 151	1024	1080	2400	
## 152	NA	2460	1080	
## 153	NA NA	1284	2778	
## 154	1024	1080	2412	
## 155	256	1080	2460	
## 156	1024	720	1600	
## 157 ## 158	1024	1080	2400	
## 158	256	1080	2400	
## 159	NA 256	1792	1920	
## 160	256	1080	2400	
## 161	1024	1080	2400	
## 162	NA	1284	2778	

## 163	NA	1080	2412	
## 164	NA	1260	2800	
## 165	1024	2408	1080	
## 166	512	1080	2400	
## 167	1024	1080	2400	
## 168	NA	1080	2400	
## 169	1024	1080	2408	
## 170	NA	720	1560	
## 171	512	1080	2460	
## 172	256	1080	2400	
## 173	NA	1080	2400	
## 174	NA	750	1334	
## 175	1024	1080	2408	
## 176	512	1080	2400	
## 177	256	1080	2412	
## 178	NA	1080	2408	
## 178 ## 179	1024	1080	2408	
## 179	1024	1080	2400	
## 180	NA	1080	2400	
## 181 ## 182	256		1600	
		720		
## 183	NA 1024	1080	2400	
## 184	1024	1080	2408	
## 185	1024	1080	2408	
## 186	NA 1224	1080	2400	
## 187	1024	1080	2400	
## 188	128	720	1600	
## 189	NA	720	1600	
## 190	128	720	1560	
## 191	NA	640	960	
## 192	1024	1080	2412	
## 193	NA	1400	3200	
## 194	NA	1080	2400	
## 195	1024	1080	2408	
## 196	NA	1080	2412	
## 197	1024	1080	2412	
## 198	1024	1080	2400	
## 199	1024	720	1600	
## 200	NA	720	1600	
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## 202	NA	1080	2400	
## 203	NA	1440	3200	
## 204	NA	2460	1080	
## 205	512	1080	2400	
## 206	NA	1080	2400	
## 207	1024	1080	2400	
## 208	512	720	1600	
## 209	NA	1080	2400	
## 210	NA NA	1290	2796	
## 211	NA NA	1080	2376	
## 212	1024	1080	2400	
"" ~ ~ ~ ~	1027	1000	2700	

## 213	256	1080	2412	
## 214	1024	1600	720	
## 215	NA	1080	2400	
## 216	NA	1440	3120	
## 217	256	1080	2460	
## 218	NA	1080	2376	
## 219	1024	720	1600	
## 220	NA	1440	3200	
## 221	NA	1080	2400	
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## 223	NA	1080	2400	
## 224	512	1080	2400	
## 225	1024	720	1600	
## 226	512	720	1600	
## 227	1024	1080	2400	
## 227				
	NA NA	1080	2400	
## 229	NA NA	1080	2412	
## 230	NA	1440	3216	
## 231	NA	1440	3200	
## 232	NA	1080	2408	
## 233	NA	720	1650	
## 234	1024	720	1612	
## 235	1024	1080	2408	
## 236	NA	1914	2160	
## 237	NA	720	1600	
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## 240	512	1080	2400	
## 241	NA	720	1612	
## 242	1024	1080	2412	
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## 244	NA	1080	2400	
## 245	1024	1080	2400	
## 246	512	1080	2400	
## 247	NA	1170	2532	
## 248	NA	1080	2400	
## 249	NA	1116	2480	
## 250	1024	1080	2400	
## 251	NA	1080	2400	
## 252	2048	1080	2400	
## 253	1024	1080	2408	
## 254	NA	1080	2400	
## 255	1024	1080	2412	
## 256	NA	1080	2400	
## 257 ## 259	NA NA	1080	2340	
## 258	NA F13	1080	2408	
## 259	512	720	1600	
## 260	512	1080	2400	
## 261	512	1080	2460	
## 262	512	720	1600	

##	263	NA	828	1792	
##	264	1024	1080	2400	
##	265	2048	1080	2400	
##	266	NA	1080	2400	
##	267	NA	1080	2412	
##	268	1024	1080	2400	
##	269	NA	1080	2400	
##	270	1024	1080	2400	
##	271	NA	1440	3120	
##	272	512	1080	2400	
##	273	512	1080	2408	
##	274	1024	1080	2400	
##	275	NA	1440	3200	
##	276	NA	1080	2340	
##	277	256	1080	2460	
##	278	1024	720	1600	
	279	NA	1080	2448	
	280	NA	1080	2400	
	281	NA	1080	2340	
	282	1024	1080	2400	
	283	NA	1080	2400	
	284	1024	1080	2408	
	285	NA	1080	2400	
	286	NA	1080	2400	
	287	2048	1080	2400	
	288	1024	1080	2408	
	289	NA	1290	2796	
	290	1024	1080	2400	
	291	1024	1080	2400	
	292	512	1080	2400	
	293	NA	720	1600	
	294	1024	1080	2408	
	295	NA	1080	2400	
	296	512	1080	2400	
	297	NA	1080	2400	
	298	512	720	1600	
	299	NA	720	1600	
	300	NA NA	1080	2460	
	301	1024	720	1600	
	302	512	1080	2400	
	303	512	720	1600	
	304	NA	1080	2400	
	305	NA NA	1080	2640	
	306	NA	1170	2532	
	307	NA NA	1080	2412	
	308	1024	1080	2408	
	309	1024	1080	2400	
	310	NA	1080	2400	
	311	1024	1080	2400	
	312	NA	1440	3080	
	J	1471	1110	5000	

## 313	NA	1080	2400	
## 314	32	1600	720	
## 315	NA	1080	2400	
## 316	1024	720	1600	
## 317	NA	1080	2400	
## 318	NA	1080	2388	
## 319	NA	1440	3200	
## 320	NA	1812	2176	
## 321	NA	1440	1920	
## 322	NA	1284	2778	
## 323	1024	1080	2400	
## 324	256	720	1600	
## 325	NA	1080	2400	
## 326	512	1080	2400	
## 327	NA			
		1440	3200	
## 328	256	720	1640	
## 329	NA 256	1080	2408	
## 330	256	1080	2400	
## 331	NA 1004	1080	2404	
## 332	1024	1080	2400	
## 333	1024	1080	2412	
## 334	NA	1080	2400	
## 335	512	2400	1080	
## 336	1024	720	1600	
## 337	1024	1080	2460	
## 338	NA	1440	3216	
## 339	512	1080	2400	
## 340	512	720	1600	
## 341	NA	1080	2460	
## 342	1024	720	1600	
## 343	1024	1080	2400	
## 344	NA	1080	2400	
## 345	NA	1170	2532	
## 346	NA	1080	2400	
## 347	NA	1260	2800	
## 348	1024	720	1600	
## 349	1024	720	1600	
## 350	512	720	1600	
## 351	512	720	1440	
## 352	256	1520	720	
## 352 ## 353	NA	1440	3200	
## 354	1024	720	1600	
## 355	1024	1612	720	
## 356	NA 54.2	720	1600	
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## 360	NA	1220	2712	
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## 362	NA	1080	2340	

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	369	1024	1644	3840	
	370	NA	1080	2400	
	371	512	1080	2400	
	372	1024	1080	2400	
	373	NA	1080	2280	
	374	512	1440	3040	
	375	NA	1080	2400	
	376	256	1080	2400	
	377				
		NA NA	1080	2400	
	378	NA 1024	1080	2400	
	379	1024	1080	2400	
	380	NA	720	1600	
	381	NA 25.5	720	1560	
	382	256	720	1612	
	383	1024	1080	2408	
	384	1024	1080	2404	
	385	NA	1080	2400	
	386	1024	720	1600	
##	387	1024	1080	2412	
##	388	1024	1080	2400	
##	389	256	1080	2400	
##	390	NA	1080	2520	
##	391	1024	1080	2400	
##	392	NA	1080	2400	
##	393	256	1080	2412	
##	394	512	1080	2400	
##	395	NA	720	1600	
	396	512	1080	2400	
	397	NA	1600	720	
	398	NA	1080	2412	
	399	NA	1290	2796	
	400	512	720	1600	
	401	1024	1440	3214	
	402	1024	1080	2412	
	403	1024	1080	2400	
	404	NA	1440	3200	
	405	NA NA	1080	2400	
	406	1024	2400	1080	
	400	NA	1080	2448	
	408	NA 1024	720	1600	
	409	1024	1080	2412	
	410	1024	720	1560	
	411	NA	1080	2400	
##	412	NA	1080	2400	

##	413	NA	1080	2400	
##	414	NA	1080	2400	
##	415	512	720	1600	
##	416	NA	1080	2400	
##	417	NA	1179	2556	
##	418	NA	1080	2400	
	419	NA	1080	2400	
	420	NA	1440	3200	
	421	NA	1080	2400	
	422	NA	1440	3216	
	423	NA	1080	2376	
	424	256	720	1600	
	425	NA	1080	2400	
	426	NA	1080	2400	
	427	512	1080	2400	
	428	NA	1080	1920	
	429		1080	2400	
	439	1024 512	1080	2460	
	431	NA NA	1080	2400	
	432	NA 1024	1080	2460	
	433	1024	720	1600	
	434	1024	720	1600	
	435	512	1080	2400	
	436	NA	750	1334	
	437	1024	1080	2400	
	438	NA	1080	2400	
	439	512	720	1600	
	440	1024	1080	2400	
	441	512	720	1600	
##	442	NA	1080	2448	
##	443	NA	1080	2400	
##	444	512	720	1600	
##	445	NA	1170	2532	
##	446	1024	1080	2408	
##	447	512	720	1640	
##	448	NA	1080	2400	
##	449	1024	1080	2408	
##	450	NA	1080	2340	
##	451	1024	720	1600	
	452	512	720	1650	
	453	NA	1080	2400	
	454	512	720	1680	
	455	NA	1080	2400	
	456	NA	1080	2460	
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## 638	512	720	1600	
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	703 704	1024	720	1600	
	705 706	NA 1024	2200	2480	
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	708	2048	1080	2460	
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## 723	32	1600	720	
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## 763					
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## 768	## 766	NA	1860	2480	
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## 784	## 783	NA		1600	
## 785					
## 786 NA 1080 2460 ## 787 NA 1080 2460 ## 778 NA 1080 2460 ## 778 NA 1080 2460 ## 778 NA 1080 2400 ## 779 NA 1284 2778 ## 790 NA 1179 2556 ## 791 1024 1080 2408 ## 792 512 1080 2400 ## 793 NA 720 1600 ## 794 NA 1080 2400 ## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2400 ## 880 1024 1080 2408					
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## 788 NA 1080 2400 ## 789 NA 1284 2778 ## 790 NA 1179 2556 ## 791 1024 1080 2408 ## 792 512 1080 2400 ## 793 NA 720 1600 ## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 880 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2400 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 810 NA 1080 2408 ## 810 NA 1080 2408 ## 811 1024					
## 789 NA 1284 2778 ## 790 NA 1179 2556 ## 791 1024 1080 2408 ## 792 512 1080 2400 ## 793 NA 720 1600 ## 794 NA 1080 2400 ## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2400 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408					
## 790 NA 1179 2556 ## 791 1024 1080 2408 ## 792 512 1080 2400 ## 793 NA 720 1600 ## 794 NA 1080 2400 ## 795 NA 1080 2400 ## 797 NA 1080 2400 ## 798 NA 720 1612 ## 799 512 2400 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2400 ## 806 1024 1080 2400 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408					
## 791 1024 1080 2408 ## 792 512 1080 2400 ## 793 NA 720 1600 ## 794 NA 720 1612 ## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 8801 1024 1080 2400 ## 8802 NA 1080 2400 ## 8803 1024 1080 2400 ## 8804 NA 1080 2400 ## 8805 512 720 1600 ## 8806 1024 1080 2400 ## 8806 1024 1080 2400 ## 8807 NA 1080 2408 ## 8808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024					
## 793	## 791		1080	2408	
## 794 NA 720 1612 ## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2400 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 810 NA 1080 2408	## 792	512	1080	2400	
## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 881 1024 1080 2400 ## 883 1024 1080 2400 ## 885 512 720 1600 ## 886 1024 1080 2408 ## 887 NA 1080 2408 ## 889 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720	## 793	NA	720	1600	
## 795 NA 1080 2400 ## 796 1024 720 1600 ## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 881 1024 1080 2400 ## 883 1024 1080 2400 ## 885 512 720 1600 ## 886 1024 1080 2408 ## 887 NA 1080 2408 ## 889 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720	## 794	NA	720	1612	
## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720	## 795	NA	1080	2400	
## 797 NA 1220 2712 ## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 798 NA 720 1612 ## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 803 1024 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 799 512 2400 1080 ## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720			720		
## 800 NA 1080 2400 ## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2408 ## 809 1024 1080 2408 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720	## 799				
## 801 1024 1080 2400 ## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 802 NA 1080 2400 ## 803 1024 1080 2400 ## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 803					
## 804 NA 1080 2400 ## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 805 512 720 1600 ## 806 1024 1080 2408 ## 807 NA 1080 2408 ## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 806					
## 807 NA 1080 2408 ## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 808 1024 1080 2400 ## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 809 1024 1080 2408 ## 810 NA 1080 2408 ## 811 1024 1600 720					
## 810 NA 1080 2408 ## 811 1024 1600 720					
## 811					

##	813	512	1080	2400
##	814	NA	1170	2532
##	815	256	1080	2480
##	816	NA	1080	2400
##	817	NA	1080	2400
##	818	NA	480	640
	819	512	1080	2400
	820	NA	1080	2400
	821	NA	1080	2400
	822	NA	1080	2400
	823	1024	1080	2400
	824	NA	720	1600
	825	NA	1170	2532
	826	512	720	1600
	827	256	1080	2400
	828	NA	720	1480
	829			
	830	NA 256	1080 720	2400
		256		1600
	831	NA 256	1080	2520
	832	256	720	1520
	833	256	1080	2340
	834	256	1080	2340
	835	256	1080	2340
	836	512	1080	2340
	837	512	720	1520
	838	512	720	1520
	839	NA	1080	2160
	840	512	1080	2340
	841	512	1440	3040
##	842	256	1080	2280
##	843	128	1080	1920
##	844	2048	1080	2408
##	845	NA	720	1600
##	846	1024	1080	2412
##	847	NA	1080	2400
##	848	512	1080	2400
##	849	1024	1080	2400
##	850	512	720	1600
	851	1024	720	1600
	852	NA	1080	2400
	853	NA	1080	2388
	854	NA	1080	2400
	855	256	1080	2400
	856	NA	1080	2412
	857	1024	1080	2408
	858	NA	1080	2412
	859	NA	1080	2376
	860	512	1080	2400
	861	NA	1080	2400
	862	NA NA	1440	1920
##	002	IVA	T++0	1920

##	863	NA	1080	2460
##	864	NA	1080	2400
##	865	NA	720	1600
##	866	NA	2400	1080
	867	NA	1080	2520
	868	256	720	1600
	869	256	1080	2460
	870	1024	1080	2400
	871	256	1080	2460
	872	NA	1080	2400
	873	256	1080	2400
	874	256	1080	2400
	875	NA	854	480
		NA NA	1440	
	876			3200
	877	NA 256	1080	2400
	878	256	1080	2400
	879	1024	720	1600
	880	256	720	1600
	881	NA	1080	2340
	882	NA	1170	2532
	883	256	720	1600
	884	512	1080	2400
	885	256	1520	720
##	886	NA	1080	2400
##	887	1024	1440	3200
##	888	NA	1080	2340
##	889	512	1080	2340
##	890	256	720	1520
##	891	NA	1080	2160
##	892	64	1080	1920
##	893	NA	1284	2778
##	894	NA	1080	2408
	895	256	720	1600
	896	NA	1080	2460
	897	NA	1080	2400
	898	NA	720	1600
	899	512	720	1600
	900	NA	720	1612
	901	256	720	1600
	902	NA	1080	2460
	903	NA NA	720	1600
	904	NA NA	1080	2400
	905		720	
		NA NA		1440
	906	NA NA	1812	2176
	907	NA	1080	2400
	908	NA	1080	2340
	909	NA	1080	2412
	910	NA 1004	1080	2412
	911	1024	1080	2400
##	912	1024	720	1560

## 913	512	2400	1080	
## 914	NA	1080	2412	
## 915	1024	1080	2412	
## 916	1024	1080	2400	
## 917	NA	1916	2160	
## 918	NA	1080	2400	
## 919	256	720	1612	
## 920	NA NA	1080	2400	
## 921	NA	1080	2400	
## 922	1024	2400	1080	
## 923	1024	1080	2408	
## 924	NA	1170	2532	
## 925	NA NA	1080	2400	
## 926	256	720	1600	
## 927	NA		2400	
## 927		1080		
	NA 1024	720	1600	
## 929	1024	1080	2400	
## 930	NA	1080	2400	
## 931	NA 256	1080	2340	
## 932	256	1600	720	
## 933	256	1080	2412	
## 934	NA	1080	2400	
## 935	NA	720	1600	
## 936	1024	720	1600	
## 937	NA	1080	2400	
## 938	NA	1080	2400	
## 939	512	720	1600	
## 940	512	1080	2340	
## 941	512	720	1600	
## 942	512	720	1600	
## 943	NA	1080	2400	
## 944	256	1600	720	
## 945	256	720	1600	
## 946	128	1520	720	
## 947	256	720	1600	
## 948	NA	1080	2340	
## 949	256	720	1544	
## 950	NA NA	1080	2400	
## 951	1024	1440	3168	
## 952	256	1176	2400	
## 953	512	720	1560	
## 954	256	1560	720	
## 955	NA	2200	2480	
## 956	512	1080	2340	
## 950	512	2220	1080	
## 958	NA F12	720 720	1280	
## 959	512	720	1650	
## 960	NA	720	1560	
## 961	NA 1004	720	1600	
## 962	1024	720	1612	

```
## 963
                 1024
                                   1080
                                                       2340
## 964
                  512
                                   1600
                                                       720
## 965
                   NA
                                   1080
                                                       2400
                   64
## 966
                                    720
                                                       1560
## 967
                   NA
                                    720
                                                       1520
## 968
                                   1440
                   NA
                                                       3200
## 969
                                   1080
                                                       2400
                   NA
## 970
                   NA
                                   1080
                                                       2400
## 971
                 1024
                                    720
                                                       1600
## 972
                   NA
                                   1080
                                                       2400
## 973
                   NA
                                    854
                                                       480
## 974
                                   1440
                                                       3120
                   NA
## 975
                   NA
                                   1916
                                                       2160
## 976
                   NA
                                   1080
                                                       2460
## 977
                 1024
                                    720
                                                       1600
## 978
                   NA
                                   1080
                                                       2460
## 979
                 1024
                                   1080
                                                       2400
## 980
                 1024
                                                       2400
                                   1080
# 8. Remove missing values in your dataset
# Description: Remove rows with missing values from the dataset.
clean_dataset <- na.omit(dataset)</pre>
cat("8. Dataset after removing missing values:\n")
## 8. Dataset after removing missing values:
print(clean dataset)
## # A tibble: 352 × 26
      brand name model
                          price rating has 5g has nfc has ir blaster
processor_brand
##
      <chr>>
                  <chr>>
                           <dbl>
                                  <dbl> <chr>
                                                <chr>
                                                         <chr>>
                                                                         <chr>>
                  OnePlu... 19989
                                     81 True
## 1 oneplus
                                                False
                                                         False
snapdragon
## 2 samsung
                  Samsun... 16499
                                     75 True
                                                False
                                                         False
                                                                         exynos
                  Samsun... 16999
## 3 samsung
                                     80 True
                                                True
                                                         False
snapdragon
## 4 realme
                  Realme... 18999
                                     82 True
                                                False
                                                         False
snapdragon
                  Vivo T... 16990
## 5 vivo
                                     80 True
                                                False
                                                         False
snapdragon
                                                False
                  Vivo Y... 14499
                                     72 False
                                                         False
                                                                         helio
## 6 vivo
                  Poco X... 14999
##
   7 poco
                                     80 True
                                                False
                                                         True
snapdragon
## 8 xiaomi
                  Xiaomi... 17859
                                     76 True
                                                False
                                                         True
snapdragon
                  OnePlu... 21995
## 9 oneplus
                                     84 True
                                                False
                                                         False
snapdragon
## 10 vivo
                  Vivo V... 27999
                                     83 True
                                                False
                                                         False
                                                                         dimensity
## # i 342 more rows
## # i 18 more variables: num cores <dbl>, processor speed <dbl>,
```

```
## #
       battery capacity <dbl>, fast charging available <dbl>, fast charging
<dbl>,
       ram_capacity <dbl>, internal_memory <dbl>, screen_size <dbl>,
## #
       refresh rate <dbl>, num_rear_cameras <dbl>, num_front_cameras <dbl>,
## #
       os <chr>, primary_camera_rear <dbl>, primary_camera_front <dbl>,
## #
## #
       extended_memory_available <dbl>, extended_upto <dbl>, ...
# 9. Identify and remove duplicated data in your dataset
# Description: Remove duplicate rows from the dataset.
no_duplicates_dataset <- clean_dataset %>% distinct()
cat("9. Dataset after removing duplicates:\n")
## 9. Dataset after removing duplicates:
print(no_duplicates_dataset)
## # A tibble: 352 × 26
      brand_name model
                         price rating has_5g has_nfc has_ir_blaster
processor brand
##
      <chr>>
                 <chr>>
                         <dbl>
                                <dbl> <chr> <chr>
                                                      <chr>>
                                                                     <chr>>
## 1 oneplus
                 OnePlu... 19989
                                   81 True
                                              False
                                                      False
snapdragon
## 2 samsung
                 Samsun... 16499
                                   75 True
                                              False
                                                      False
                                                                     exynos
                 Samsun... 16999
## 3 samsung
                                   80 True
                                              True
                                                      False
snapdragon
                                   82 True
## 4 realme
                 Realme... 18999
                                              False
                                                      False
snapdragon
                 Vivo T... 16990
                                   80 True
                                              False
                                                      False
## 5 vivo
snapdragon
## 6 vivo
                 Vivo Y... 14499
                                   72 False
                                             False
                                                      False
                                                                     helio
## 7 poco
                 Poco X... 14999
                                   80 True
                                              False
                                                      True
snapdragon
## 8 xiaomi
                 Xiaomi... 17859
                                   76 True
                                              False
                                                      True
snapdragon
                 OnePlu... 21995
## 9 oneplus
                                   84 True
                                              False
                                                      False
snapdragon
                 Vivo V... 27999
                                   83 True
                                              False
                                                      False
                                                                     dimensity
## 10 vivo
## # i 342 more rows
## # i 18 more variables: num cores <dbl>, processor speed <dbl>,
## #
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
<dbl>,
       ram capacity <dbl>, internal_memory <dbl>, screen_size <dbl>,
## #
       refresh rate <dbl>, num rear cameras <dbl>, num front cameras <dbl>,
## #
       os <chr>, primary_camera_rear <dbl>, primary_camera_front <dbl>,
## #
## #
       extended_memory_available <dbl>, extended_upto <dbl>, ...
# 10. Reorder multiple rows in descending order
# Description: Sort the dataset in descending order based on the price
column.
sorted dataset <- no duplicates dataset %>% arrange(desc(price))
cat("10. Dataset sorted in descending order by price:\n")
```

```
## 10. Dataset sorted in descending order by price:
print(sorted_dataset)
## # A tibble: 352 × 26
                         price rating has_5g has_nfc has ir blaster
      brand name model
processor brand
##
                                <dbl> <chr> <chr>
      <chr>>
                 <chr>>
                         <dbl>
                                                      <chr>>
                                                                     <chr>>
                                   81 False
## 1 huawei
                 Huawe... 239999
                                             True
                                                      True
snapdragon
                                   88 False
## 2 samsung
                 Samsu... 83000
                                             True
                                                      False
                                                                     exynos
                                   86 True
## 3 samsung
                 Samsu... 78990
                                             True
                                                      False
                                                                     exynos
                 Samsu... 74999
                                   89 True
                                             True
                                                      False
## 4 samsung
                                                                     exynos
                                                                     exynos
## 5 samsung
                 Samsu... 58999
                                   89 False True
                                                      False
                 Dooge... 45999
## 6 doogee
                                   88 True
                                             False
                                                      False
                                                                     dimensity
## 7 samsung
                                   81 False True
                                                      False
                 Samsu... 42999
                                                                     exvnos
## 8 samsung
                 Samsu... 41999
                                   88 False True
                                                      False
                                                                     exynos
## 9 nokia
                 Nokia... 41990
                                   85 True
                                             True
                                                      False
snapdragon
                 Samsu... 39999
## 10 samsung
                                   83 False True
                                                      False
                                                                     exynos
## # i 342 more rows
## # i 18 more variables: num cores <dbl>, processor speed <dbl>,
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
<dbl>,
       ram capacity <dbl>, internal memory <dbl>, screen size <dbl>,
## #
       refresh_rate <dbl>, num_rear_cameras <dbl>, num_front_cameras <dbl>,
## #
## #
       os <chr>, primary camera rear <dbl>, primary camera front <dbl>,
       extended_memory_available <dbl>, extended_upto <dbl>, ...
## #
# 11. Rename some of the column names in your dataset
# Description: Rename selected columns in the dataset for better readability.
renamed dataset <- no duplicates dataset %>% rename(
  BrandName = brand name,
  ModelName = model,
  Price = price
cat("11. Dataset with renamed columns:\n")
## 11. Dataset with renamed columns:
print(renamed dataset)
## # A tibble: 352 × 26
                                         Price rating has_5g has_nfc
##
      BrandName ModelName
has_ir_blaster
      <chr>>
                <chr>>
                                         <dbl>
                                                <dbl> <chr>>
                                                              <chr>>
                                                                      <chr>>
## 1 oneplus
                OnePlus Nord CE 2 Lite ... 19989
                                                    81 True
                                                              False
                                                                      False
                Samsung Galaxy A14 5G
                                                    75 True
                                                              False
## 2 samsung
                                         16499
                                                                      False
                Samsung Galaxy F23 5G (... 16999
                                                    80 True
## 3 samsung
                                                              True
                                                                      False
## 4 realme
                Realme 10 Pro
                                         18999
                                                    82 True
                                                              False
                                                                      False
## 5 vivo
                Vivo T1 5G (6GB RAM + 1... 16990
                                                   80 True
                                                              False
                                                                      False
```

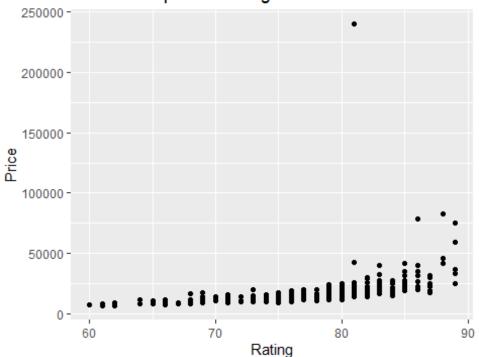
```
## 6 vivo
                Vivo Y22
                                          14499
                                                    72 False
                                                              False
                                                                       False
                Poco X4 Pro 5G
                                                    80 True
                                                              False
                                                                      True
## 7 poco
                                          14999
                                                    76 True
## 8 xiaomi
                Xiaomi Redmi Note 12
                                          17859
                                                              False
                                                                       True
                                                    84 True
## 9 oneplus
                OnePlus Nord CE 2 Lite ... 21995
                                                              False
                                                                       False
## 10 vivo
                Vivo V25 5G
                                          27999
                                                    83 True
                                                              False
                                                                       False
## # i 342 more rows
## # i 19 more variables: processor_brand <chr>, num_cores <dbl>,
       processor_speed <dbl>, battery_capacity <dbl>,
## #
       fast charging available <dbl>, fast charging <dbl>, ram capacity
<dbl>,
## #
       internal_memory <dbl>, screen_size <dbl>, refresh_rate <dbl>,
       num rear cameras <dbl>, num front cameras <dbl>, os <chr>,
## #
       primary camera rear <dbl>, primary camera front <dbl>, ...
## #
# 12. Add new variables in your data frame by using a mathematical function
(e.g., multiply an existing column by 2)
# Description: Add a new variable 'DoublePrice' by multiplying the price
column by 2.
new var dataset <- no duplicates dataset %>% mutate(DoublePrice = price * 2)
cat("12. Dataset with new variable 'DoublePrice':\n")
## 12. Dataset with new variable 'DoublePrice':
print(new_var_dataset)
## # A tibble: 352 × 27
                         price rating has 5g has nfc has ir blaster
      brand name model
processor_brand
##
      <chr>>
                 <chr>>
                         <dbl>
                                <dbl> <chr>
                                              <chr>>
                                                      <chr>>
                                                                      <chr>>
                 OnePlu... 19989
                                    81 True
                                              False
## 1 oneplus
                                                      False
snapdragon
                 Samsun... 16499
## 2 samsung
                                    75 True
                                              False
                                                      False
                                                                     exynos
## 3 samsung
                 Samsun... 16999
                                    80 True
                                              True
                                                      False
snapdragon
                 Realme... 18999
## 4 realme
                                    82 True
                                              False
                                                      False
snapdragon
## 5 vivo
                 Vivo T... 16990
                                    80 True
                                              False
                                                      False
snapdragon
                 Vivo Y... 14499
                                    72 False
                                             False
                                                      False
                                                                     helio
## 6 vivo
                 Poco X... 14999
## 7 poco
                                    80 True
                                              False
                                                      True
snapdragon
## 8 xiaomi
                 Xiaomi... 17859
                                   76 True
                                              False
                                                      True
snapdragon
                 OnePlu... 21995
## 9 oneplus
                                    84 True
                                              False
                                                      False
snapdragon
                 Vivo V... 27999
## 10 vivo
                                    83 True
                                              False
                                                      False
                                                                     dimensity
## # i 342 more rows
## # i 19 more variables: num_cores <dbl>, processor_speed <dbl>,
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
## #
<dbl>,
       ram capacity <dbl>, internal memory <dbl>, screen size <dbl>,
```

```
refresh rate <dbl>, num rear cameras <dbl>, num front cameras <dbl>,
## #
       os <chr>, primary camera rear <dbl>, primary camera front <dbl>,
       extended_memory_available <dbl>, extended_upto <dbl>, ...
## #
# 13. Create a training set using random number generator engine
# Description: Create a training set containing 70% of the data using a
random sampling method.
set.seed(123) # Ensures reproducibility of the random sample
training_set <- no_duplicates_dataset %>% sample_frac(0.7)
cat("13. Training set (70% of the data):\n")
## 13. Training set (70% of the data):
print(training set)
## # A tibble: 246 × 26
      brand_name model
                         price rating has_5g has_nfc has_ir_blaster
processor_brand
##
      <chr>>
                 <chr>
                         <dbl>
                                <dbl> <chr> <chr>
                                                     <chr>>
                                                                     <chr>>
                 Samsun... 16499
## 1 samsung
                                   80 False False
                                                     False
                                                                    helio
## 2 xiaomi
                 Xiaomi... 32999
                                   83 True
                                             False
                                                     True
snapdragon
## 3 samsung
                 Samsun... 21999
                                   84 True
                                             True
                                                     False
                                                                    dimensity
                 Realme... 11399
## 4 realme
                                   73 False False
                                                     False
                                                                    tiger
## 5 redmi
                 Redmi ... 18999
                                   81 False False
                                                     True
snapdragon
                 Samsun... 83000
                                   88 False True
## 6 samsung
                                                     False
                                                                    exynos
                                   83 False True
                                                                    helio
## 7 oppo
                 Oppo R... 19999
                                                     False
## 8 realme
                 Realme... 13999
                                   77 False False
                                                     False
                                                                    helio
## 9 realme
                 Realme... 8720
                                   64 False False
                                                     False
                                                                    tiger
## 10 samsung
                 Samsun... 35489
                                   86 False True
                                                     False
                                                                     exynos
## # i 236 more rows
## # i 18 more variables: num cores <dbl>, processor speed <dbl>,
       battery_capacity <dbl>, fast_charging_available <dbl>, fast_charging
<dbl>,
## #
       ram_capacity <dbl>, internal_memory <dbl>, screen_size <dbl>,
       refresh_rate <dbl>, num_rear_cameras <dbl>, num_front_cameras <dbl>,
## #
## #
       os <chr>, primary_camera_rear <dbl>, primary_camera_front <dbl>,
       extended_memory_available <dbl>, extended_upto <dbl>, ...
# 14. Print the summary statistics of your dataset
# Description: Print summary statistics for the dataset to understand the
distribution of values.
cat("14. Summary statistics of the dataset:\n")
## 14. Summary statistics of the dataset:
print(summary(no_duplicates_dataset))
                          model
##
     brand name
                                              price
                                                               rating
##
    Length:352
                       Length: 352
                                          Min. : 6699
                                                           Min.
                                                                  :60.00
                                          1st Qu.: 12999
## Class:character Class:character
                                                           1st Qu.:75.00
```

```
Mode :character
                        Mode :character
                                            Median : 15999
                                                             Median :79.00
##
                                            Mean
                                                   : 18526
                                                             Mean
                                                                     :78.06
##
                                            3rd Qu.: 19999
                                                              3rd Qu.:82.00
##
                                            Max.
                                                   :239999
                                                             Max.
                                                                     :89.00
                                            has_ir_blaster
##
       has_5g
                          has_nfc
                                                                processor_brand
##
    Length: 352
                        Length:352
                                            Length:352
                                                                Length: 352
##
    Class :character
                        Class :character
                                            Class :character
                                                                Class :character
##
    Mode :character
                        Mode :character
                                            Mode :character
                                                               Mode :character
##
##
##
##
                     processor speed battery capacity fast charging available
      num cores
##
           :4.000
                            :1.600
                                             : 3100
                                                       Min.
    Min.
                     Min.
                                     Min.
                                                               :1
                                                       1st Qu.:1
##
    1st Qu.:8.000
                     1st Qu.:2.000
                                     1st Qu.: 5000
##
    Median :8.000
                     Median :2.200
                                     Median : 5000
                                                       Median :1
    Mean
           :7.955
                     Mean
                            :2.217
                                             : 5069
                                                       Mean
                                     Mean
                                                               :1
##
    3rd Qu.:8.000
                     3rd Qu.:2.400
                                     3rd Qu.: 5000
                                                       3rd Qu.:1
##
                            :3.200
    Max.
           :8.000
                     Max.
                                     Max.
                                             :22000
                                                       Max.
                                                               :1
##
    fast charging
                       ram capacity
                                        internal memory screen size
                                       Min.
##
    Min.
          : 10.00
                      Min.
                             : 2.000
                                               : 32.0
                                                        Min.
                                                                :5.900
##
    1st Qu.: 18.00
                      1st Qu.: 4.000
                                       1st Qu.: 64.0
                                                        1st Qu.:6.500
##
    Median : 25.00
                      Median : 6.000
                                       Median :128.0
                                                        Median :6.580
##
    Mean
          : 30.34
                      Mean
                             : 5.926
                                       Mean
                                               :115.1
                                                        Mean
                                                                :6.560
##
    3rd Qu.: 33.00
                      3rd Qu.: 8.000
                                       3rd Qu.:128.0
                                                        3rd Qu.:6.662
##
    Max.
           :210.00
                     Max.
                             :12.000
                                       Max.
                                              :512.0
                                                        Max.
                                                                :6.950
##
     refresh rate
                     num_rear_cameras num_front cameras
                                                               os
##
           : 60.0
                     Min.
                            :1.000
                                      Min.
                                              :1.000
                                                         Length:352
   Min.
    1st Qu.: 60.0
##
                     1st Qu.:3.000
                                       1st Qu.:1.000
                                                         Class :character
##
    Median: 90.0
                     Median :3.000
                                      Median :1.000
                                                         Mode :character
##
          : 88.4
                            :3.017
                                              :1.011
    Mean
                     Mean
                                      Mean
##
    3rd Qu.:120.0
                     3rd Qu.:3.000
                                       3rd Qu.:1.000
##
           :144.0
                            :4.000
                                      Max.
                                              :2.000
                     Max.
##
    primary camera rear primary camera front extended memory available
##
    Min.
          : 8.00
                         Min.
                               : 5.00
                                               Min.
                                                      :1
##
    1st Qu.: 48.00
                         1st Qu.: 8.00
                                               1st Qu.:1
##
    Median : 50.00
                                               Median :1
                         Median :16.00
           : 55.19
##
    Mean
                         Mean
                                :14.96
                                               Mean
                                                      :1
##
    3rd Qu.: 64.00
                         3rd Qu.:16.00
                                               3rd Qu.:1
##
  Max.
           :200.00
                         Max.
                                :60.00
                                               Max.
                                                      :1
##
    extended upto
                      resolution width resolution height
    Min.
           : 128.0
                             : 720
                                       Min.
                      Min.
                                               : 720
##
    1st Qu.: 512.0
                      1st Qu.:1080
                                        1st Qu.:2340
##
    Median :1024.0
                      Median :1080
                                       Median:2400
##
   Mean
           : 797.5
                      Mean
                             :1067
                                       Mean
                                               :2213
##
    3rd Ou.:1024.0
                                        3rd Ou.:2408
                      3rd Qu.:1080
##
   Max.
           :2048.0
                      Max.
                             :2408
                                       Max.
                                               :3200
# 15. Perform the following statistical functions using any numerical
variable
# Description: Calculate mean, median, mode, and range for the 'price'
```

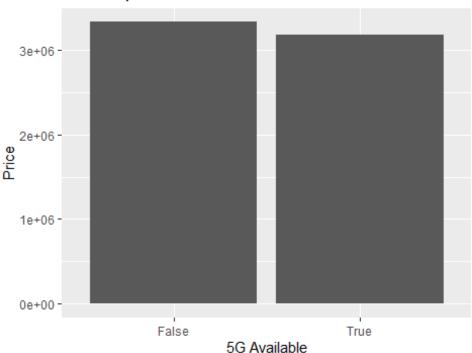
```
variable.
mean price <- mean(no duplicates dataset$price)</pre>
median_price <- median(no_duplicates_dataset$price)</pre>
mode_price <- as.numeric(names(sort(table(no_duplicates_dataset$price),</pre>
decreasing=TRUE)[1]))
range_price <- range(no_duplicates_dataset$price)</pre>
cat("15. Statistical functions:\n")
## 15. Statistical functions:
cat("Mean Price:", mean price, "\n")
## Mean Price: 18525.6
cat("Median Price:", median price, "\n")
## Median Price: 15999
cat("Mode Price:", mode_price, "\n")
## Mode Price: 15999
cat("Range of Price:", range price, "\n")
## Range of Price: 6699 239999
# 16. Plot a scatter plot for any 2 variables in your dataset
# Description: Create a scatter plot of 'rating' vs 'price'.
ggplot(no duplicates dataset, aes(x = rating, y = price)) +
  geom_point() +
  labs(title = "16. Scatter plot of Rating vs Price", x = "Rating", y =
"Price")
```

16. Scatter plot of Rating vs Price



```
# 17. Plot a bar plot for any 2 variables in your dataset
# Description: Create a bar plot of 'has_5g' vs 'price'.
ggplot(no_duplicates_dataset, aes(x = factor(has_5g), y = price)) +
    geom_bar(stat = "identity") +
    labs(title = "17. Bar plot of 5G vs Price", x = "5G Available", y =
"Price")
```

17. Bar plot of 5G vs Price



```
# 18. Find the correlation between any 2 variables by applying Pearson
correlation
# Description: Calculate the Pearson correlation between 'rating' and
'price'.
correlation <- cor(no_duplicates_dataset$rating, no_duplicates_dataset$price,
method = "pearson")
cat("18. Pearson Correlation between Rating and Price:", correlation, "\n")
## 18. Pearson Correlation between Rating and Price: 0.4107629</pre>
```