

DATA202 Assn2

RuiCao_300423011

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Q1. (6 Marks) The following function takes a scalar x , and calculates $x!$, i.e. the factorial of x .

```
fact <- function(x) {  
  ans <- 1  
  for(i in 1:x){  
    ans <- ans*i  
  }  
  return(ans)  
}  
fact(-1)
```

```
## [1] 0
```

a. The function computes its answer by building the result up using a `for()` loop - briefly explain how this works.

each i in a list from 1 to x , if $i \geq x$ then break off. in this for loop, `ans` will calculate x times.

b. What does the `return()` function do?

the `return()` will return back a result to `fact`.

c. Why must x be an integer greater than 0? (does it work for $x=0$?)

when $x=0$, we will not enter the for loop, just get a result for `ans <- 1`.

In factorial formula $0!=1$, negative number and continuous number does not have factorial results. Thus x must be an integer and greater than 0.

d. Modify the function to give the correct value 1 when x is zero, and an error message when x is negative. Show the R code of the modified function.

```
facto <- function(x) {  
  ans <- 1  
  if(x < 0){  
    warning("factorial cannot calculate negative numbers")  
  }  
  else if(x == 0){  
    print("0 in factorial is 1. ")  
    return(ans)  
  }  
  else{  
    for(i in 1:x){  
      ans <- ans*i  
    }  
    return(ans)  
  }  
}  
facto(-1)
```

```
## Warning in facto(-1): factorial cannot calculate negative numbers
```

```
facto(0)
```

```
## [1] "0 in factorial is 1. "
```

```
## [1] 1
```

```
facto(5)
```

```
## [1] 120
```

Q2. (2 Marks) Use `sprintf()` to print out the result of `fact()`, so that the following code

```
for(x in 1:10) {  
  x_fact <- factorial(x)  
  s <- sprintf("Factorial %2d is %7d\n",x,x_fact)  
  cat(s)  
}
```

```
## Factorial 1 is      1
## Factorial 2 is      2
## Factorial 3 is      6
## Factorial 4 is     24
## Factorial 5 is    120
## Factorial 6 is    720
## Factorial 7 is   5040
## Factorial 8 is  40320
## Factorial 9 is 362880
## Factorial 10 is 3628800
```

Q3. (5 Marks) The following function scrapes all arrivals from the arrivals board at Wellington Airport

```
get.arrivals <- function() {
  library(httr)
  library(XML)
  url <- "https://www.wellingtonairport.co.nz/flights/"
  mynrow <- function(x) ifelse(is.null(nrow(x)),NA,nrow(x))
  doc <- htmlParse(rawToChar(GET(url)$content))
  tabs <- readHTMLTable(doc)
  n.rows <- sapply(tabs, mynrow)
  atab <- tabs[[which.max(n.rows)]]
  atab <- atab[!is.na(atab$Airline),]
  names(atab) <- gsub(" ", "", (gsub("\n", "", names(atab))))
  return(atab)
}
arr <- get.arrivals()
arr[1:3,]
```

| ## | From | Sched. | Est. | Airline | Flight | Gate | Status |
|------|--------------|--------|-------|-----------------|--------|------|--------------------|
| ## 2 | Auckland | 16:05 | 15:50 | Jetstar | JQ261 | 21 | All bags on belt 2 |
| ## 3 | Christchurch | 16:05 | 15:54 | Air New Zealand | NZ5366 | 18 | Arrived at Gate |
| ## 4 | Napier | 16:05 | 15:55 | Air New Zealand | NZ8893 | 6 | Arrived at Gate |

a.Explain what the following statement does, and why it is necessary here.

The aim of httr is to provide a wrapper for the curl package, customised to the demands of modern web APIs. Configuration functions make it easy to control additional request components (authenticate(), add_headers() and so on).

b.By modifying the function get.arrivals(), write a function called get.departures() that it scrapes departures instead.

```

get.departures <- function(){
  library(httr)
  library(XML)
  url <- "https://www.wellingtonairport.co.nz/flights/"
  mynrow <- function(x) ifelse(is.null(nrow(x)),NA,nrow(x))
  doc <- htmlParse(rawToChar(GET(url)$content))
  tabs <- readHTMLTable(doc)
  n.rows <- sapply(tabs, mynrow)
  atab <- tabs[[which.max(n.rows)]]
  atab <- atab[!is.na(atab$Airline),]
  names(atab) <- gsub(" ", "", (gsub("\n", "", names(atab))))
  return(atab)
}
dpt <- get.departures()
dpt[1:3,]

```

| ## | From | Sched. | Est. | Airline | Flight | Gate | Status |
|------|--------------|--------|-------|-----------------|--------|------|--------------------|
| ## 2 | Auckland | 16:05 | 15:50 | Jetstar | JQ261 | 21 | All bags on belt 2 |
| ## 3 | Christchurch | 16:05 | 15:54 | Air New Zealand | NZ5366 | 18 | Arrived at Gate |
| ## 4 | Napier | 16:05 | 15:55 | Air New Zealand | NZ8893 | 6 | Arrived at Gate |

c.Modify get.arrivals() so that it takes one argument: origin. If origin is specified it should give flight arrivals only from that place. If origin is All it should show all arrivals. Show the code, and the output of get.arrivals("Christchurch").

```

get.arrivals2 <- function(origin) {
  library(httr)
  library(XML)
  url <- "https://www.wellingtonairport.co.nz/flights/"
  mynrow <- function(x) ifelse(is.null(nrow(x)),NA,nrow(x))
  doc <- htmlParse(rawToChar(GET(url)$content))
  tabs <- readHTMLTable(doc)
  n.rows <- sapply(tabs, mynrow)
  atab <- tabs[[which.max(n.rows)]]
  atab <- atab[!is.na(atab$Airline),]
  names(atab) <- gsub(" ", "", (gsub("\n", "", names(atab))))
  if(origin == "All") {
    return(atab)
  }
  else {
    # if the input is not 'All'
    if (nrow(atab[atab$From == origin,]) == 0) {
      warning("There is no flight comes from ") }
    else { # return the arrivals from input city
      return(atab[atab$From == origin,]) } } }

get.arrivals2("Christchurch")

```

| ## | From | Sched. | Est. | Airline | Flight | Gate | Status |
|-------|--------------|--------|-------|-----------------|--------|------|-----------------|
| ## 3 | Christchurch | 16:05 | 15:54 | Air New Zealand | NZ5366 | 18 | Arrived at Gate |
| ## 8 | Christchurch | 16:35 | 16:28 | Air New Zealand | NZ5368 | 11 | Arrived at Gate |
| ## 13 | Christchurch | 17:05 | 16:56 | Air New Zealand | NZ5370 | 18 | Landed 16:57 |
| ## 23 | Christchurch | 18:00 | 18:00 | Air New Zealand | NZ374 | 15 | |
| ## 35 | Christchurch | 19:00 | 19:00 | Air New Zealand | NZ378 | 16 | |
| ## 42 | Christchurch | 20:05 | 20:05 | Air New Zealand | NZ5382 | | |
| ## 45 | Christchurch | 21:05 | 21:05 | Air New Zealand | NZ5386 | 11 | |

```
# testing
get.arrivals2("Shanghai")
```

```
## Warning in get.arrivals2("Shanghai"): There is no flight comes from
```

Q4. (9 Marks) Write a function, showing all R code in your answer, with the following properties: Three arguments, one being a data frame, the next being the name of a variable in that data frame, and the third being a filename;

The function should plot a boxplot of the variable if it is numeric, and a barplot if it is character or if it is a factor

The function should remove any missing values

It should return the number of non-missing values in the dataset.

If the filename is NA then it should draw the plot to the screen, otherwise it should write the output to a jpeg graphics file with the specified name. (Remember if you do write to a jpeg file, then you need to close the file before the end of the function.)

For no extra marks, use the ... argument to pass extra arguments (such as axis labels and a title) to the barplot and histogram functions.

Demonstrate the function by:

Making a boxplot of the Total variable in the allpokemon dataset

Making a bar plot of the Marital variable in the surf dataset For each of these show the diagram you get when outputting to the screen, and also run the function to create two appropriately named jpeg files. Run list.files() to show that these two files have been created.

```

allpoke <- function(data.frame, var.frame, filename = NA ){
  poke <- read.csv(data.frame, header = TRUE, stringsAsFactors = FALSE)

  if(all(apply(poke[var.frame],1,is.numeric))){

    if(!is.na(filename)){
      # jpeg(filename = "boxplot%d.jpeg")
      jpeg(filename = paste0("boxplot_", var.frame, data.frame(), ".jpg"), width = 600, height = 600)
    }
    # if numeric then do boxplot
    boxplot(poke[var.frame],
            main = "Pokemons Total Strength",
            ylab = "Total Strength",
            col = "light pink",
            las = 1
            )
    if(!is.na(filename)){ # not NA, write the output to jpeg graphic
      #jpeg(filename = "boxplot%d.jpeg")
      dev.off()
    }
    # rmoe missing values
    poke_nomissing <- poke[!is.na(poke[,var.frame]),]
    print(poke_nomissing[,var.frame])
    #count_val <- sum(!is.na(poke[,var.frame]))
    #return(count_val)
    return(poke_nomissing)
  }
  #if charactor or factor, then do barplot
  else if(all(apply(poke[var.frame],1,is.character)) | all(apply(poke[var.frame],1,is.factor))){

    if(!is.na(filename)){ # if filename does not have NA
      #jpef(filename = "barplot%d.jpg")
      jpeg(filename = paste0("barplot_", var.frame, data.frame(), ".jpg"), width = 600, height = 600 )
    }
    barplot(table(poke[var.frame]), main = "Marital Status",
            xlab = "Marital Status",
            ylab = "Frequency",
            col = "light blue")

    if(!is.na(filename)){
      dev.off()
    }

    #remove missing values
    rem_missing <- poke[nchar(poke[,var.frame]) !=0, ]
    print(rem_missing[,var.frame])

    #count_values <- sum(nchar(df[,var.frame]) !=0)
    #return(count_values)
    return(rem_missing)
  }
}

```

```
}
```

```
r <- allpoke("allpokemon.csv", "Total", "poke.jpg")
```

```
## [1] 318 405 525 625 309 405 534 634 634 314 405 530 630 195 205 395 195
## [18] 205 395 495 251 349 479 579 253 253 413 413 262 442 288 448 320 485
## [35] 485 300 300 450 450 275 365 505 273 365 505 323 483 299 299 505 505
## [52] 270 435 245 455 320 395 490 285 405 305 450 265 265 425 425 290 290
## [69] 440 440 320 500 305 455 350 555 300 385 510 310 400 500 600 305 405
## [86] 505 300 390 490 335 515 300 300 390 390 495 495 410 500 315 490 590
## [103] 325 465 377 310 470 325 475 325 325 500 500 305 525 310 405 500 600
## [120] 385 328 483 325 475 330 490 325 530 530 320 425 425 455 455 385 340
## [137] 490 345 485 450 435 490 590 295 440 320 450 340 520 460 500 455 490
## [154] 495 500 600 490 200 540 640 535 288 325 525 525 525 395 355 495 355
## [171] 495 515 615 540 580 580 580 300 420 600 680 780 780 600 318 405 525
## [188] 309 405 534 314 405 530 215 415 262 452 265 390 250 400 535 330 460
## [205] 205 218 210 245 405 320 470 280 365 510 610 490 250 420 410 500 250
## [222] 340 460 360 180 425 390 210 430 525 525 405 490 435 336 405 455 290
## [239] 465 415 430 510 610 300 450 440 500 600 505 500 600 430 330 500 250
## [256] 430 250 450 410 300 480 330 485 465 330 500 600 540 330 500 515 465
## [273] 250 210 455 305 360 365 490 540 580 580 580 300 410 600 700 680 680
## [290] 600 310 405 530 630 310 405 530 630 310 405 535 635 220 420 240 420
## [307] 195 205 395 205 385 220 340 480 220 340 480 270 455 270 440 198 278
## [324] 518 618 269 454 295 460 280 440 670 266 456 236 240 360 490 237 474
## [341] 190 375 260 400 380 480 380 480 330 430 530 630 280 410 510 295 475
## [358] 575 405 405 430 430 400 302 467 305 460 560 400 500 305 460 560 470
## [375] 330 470 360 290 340 520 335 475 310 490 590 458 458 460 460 288 468
## [392] 308 468 300 500 355 495 355 495 200 540 420 440 295 455 555 295 455
## [409] 460 455 465 565 260 300 480 580 290 410 530 345 485 485 485 330 300
## [426] 420 600 700 300 420 600 700 580 580 580 600 700 600 700 670 770 670
## [443] 770 680 780 600 600 600 600 600 318 405 525 309 405 534 314 405 530
## [460] 245 340 485 250 410 194 384 263 363 523 280 515 350 495 350 495 224
## [477] 424 424 424 424 244 474 405 330 495 275 450 325 475 482 348 498 350
## [494] 480 580 495 505 310 452 285 329 479 300 500 290 310 220 411 485 300
## [511] 410 600 700 390 285 525 625 330 525 330 500 300 490 454 330 460 345
## [528] 334 494 594 510 535 515 535 535 540 540 545 515 525 525 510 530 535
## [545] 518 618 525 525 480 440 520 520 520 520 520 580 580 580 680 680 600
## [562] 670 680 680 600 480 600 600 600 600 720 600 308 413 528 308 418 528
## [579] 308 413 528 255 420 275 370 500 281 446 316 498 316 498 316 498 292
## [596] 487 264 358 488 295 497 280 390 515 323 425 328 508 445 545 305 405
## [613] 505 294 384 509 465 465 310 380 500 260 360 485 280 480 280 480 460
## [630] 292 351 519 315 480 540 461 325 485 348 488 490 303 483 355 495 401
## [647] 567 329 474 330 510 300 470 290 390 490 290 370 490 305 473 305 395
## [664] 535 335 475 428 315 495 294 464 335 480 470 319 472 305 489 300 440
## [681] 520 275 405 515 335 485 275 370 520 320 410 540 305 505 515 305 495
## [698] 471 350 510 485 303 483 340 490 490 350 510 370 510 484 484 300 420
## [715] 600 360 550 580 580 580 580 580 580 680 680 600 600 660 700 700
## [732] 580 580 600 600 600 313 405 530 307 409 534 314 405 530 640 237 423
## [749] 278 382 499 200 213 411 369 507 303 371 552 350 531 348 495 472 355
## [766] 466 466 325 448 520 520 341 462 341 480 288 482 306 500 320 494 330
## [783] 500 289 481 362 521 362 521 525 500 431 500 300 452 600 470 309 474
## [800] 335 335 335 335 494 494 494 494 304 514 245 535 680 680 600 486 708
## [817] 600 700 600 680 600 320 420 530 320 420 530 320 420 530 265 355 485
## [834] 253 418 300 400 500 338 478 476 476 476 476 304 464 280 487 487 487
## [851] 175 620 305 495 385 500 269 454 250 480 285 405 320 480 340 500 210
## [868] 290 510 485 490 490 230 530 320 480 410 534 570 440 500 480 485 435
```



```
## [885] 476 475 485 517 300 420 600 570 570 570 570 200 400 680 680 570 570
## [902] 570 570 570 570 570 600 680 680 754 600 600 420 540 570 570 600
```

r

| ## | X. | Name | Type1 | Type2 | Total | HP | Attack | |
|-------|----|---------------------------|----------|---------|-------|-----|--------|----|
| ## 1 | 1 | Bulbasaur | Grass | Poison | 318 | 45 | 49 | |
| ## 2 | 2 | Ivysaur | Grass | Poison | 405 | 60 | 62 | |
| ## 3 | 3 | Venusaur | Grass | Poison | 525 | 80 | 82 | |
| ## 4 | 3 | VenusaurMega Venusaur | Grass | Poison | 625 | 80 | 100 | |
| ## 5 | 4 | Charmander | Fire | | 309 | 39 | 52 | |
| ## 6 | 5 | Charmeleon | Fire | | 405 | 58 | 64 | |
| ## 7 | 6 | Charizard | Fire | Flying | 534 | 78 | 84 | |
| ## 8 | 6 | CharizardMega Charizard X | Fire | Dragon | 634 | 78 | 130 | |
| ## 9 | 6 | CharizardMega Charizard Y | Fire | Flying | 634 | 78 | 104 | |
| ## 10 | 7 | Squirtle | Water | | 314 | 44 | 48 | |
| ## 11 | 8 | Wartortle | Water | | 405 | 59 | 63 | |
| ## 12 | 9 | Blastoise | Water | | 530 | 79 | 83 | |
| ## 13 | 9 | BlastoiseMega Blastoise | Water | | 630 | 79 | 103 | |
| ## 14 | 10 | Caterpie | Bug | | 195 | 45 | 30 | |
| ## 15 | 11 | Metapod | Bug | | 205 | 50 | 20 | |
| ## 16 | 12 | Butterfree | Bug | Flying | 395 | 60 | 45 | |
| ## 17 | 13 | Weedle | Bug | Poison | 195 | 40 | 35 | |
| ## 18 | 14 | Kakuna | Bug | Poison | 205 | 45 | 25 | |
| ## 19 | 15 | Beedrill | Bug | Poison | 395 | 65 | 90 | |
| ## 20 | 15 | BeedrillMega Beedrill | Bug | Poison | 495 | 65 | 150 | |
| ## 21 | 16 | Pidgey | Normal | Flying | 251 | 40 | 45 | |
| ## 22 | 17 | Pidgeotto | Normal | Flying | 349 | 63 | 60 | |
| ## 23 | 18 | Pidgeot | Normal | Flying | 479 | 83 | 80 | |
| ## 24 | 18 | PidgeotMega Pidgeot | Normal | Flying | 579 | 83 | 80 | |
| ## 25 | 19 | Rattata | Normal | | 253 | 30 | 56 | |
| ## 26 | 19 | RattataAlolan Rattata | Dark | Normal | 253 | 30 | 56 | |
| ## 27 | 20 | Raticate | Normal | | 413 | 55 | 81 | |
| ## 28 | 20 | RaticateAlolan Raticate | Dark | Normal | 413 | 75 | 71 | |
| ## 29 | 21 | Spearow | Normal | Flying | 262 | 40 | 60 | |
| ## 30 | 22 | Fearow | Normal | Flying | 442 | 65 | 90 | |
| ## 31 | 23 | Ekans | Poison | | 288 | 35 | 60 | |
| ## 32 | 24 | Arbok | Poison | | 448 | 60 | 95 | |
| ## 33 | 25 | Pikachu | Electric | | 320 | 35 | 55 | |
| ## 34 | 26 | Raichu | Electric | | 485 | 60 | 90 | |
| ## 35 | 26 | RaichuAlolan Raichu | Electric | Psychic | 485 | 60 | 85 | |
| ## 36 | 27 | Sandshrew | Ground | | 300 | 50 | 75 | |
| ## 37 | 27 | SandshrewAlolan Sandshrew | Ice | Steel | 300 | 50 | 75 | |
| ## 38 | 28 | Sandslash | Ground | | 450 | 75 | 100 | |
| ## 39 | 28 | SandslashAlolan Sandslash | Ice | Steel | 450 | 75 | 100 | |
| ## 40 | 29 | Nidoran♀\231\200 | Poison | | | 275 | 55 | 47 |
| ## 41 | 30 | Nidorina | Poison | | 365 | 70 | 62 | |
| ## 42 | 31 | Nidoqueen | Poison | Ground | 505 | 90 | 92 | |
| ## 43 | 32 | Nidoran♀\231, | Poison | | 273 | 46 | 57 | |
| ## 44 | 33 | Nidorino | Poison | | 365 | 61 | 72 | |
| ## 45 | 34 | Nidoking | Poison | Ground | 505 | 81 | 102 | |
| ## 46 | 35 | Clefairy | Fairy | | 323 | 70 | 45 | |
| ## 47 | 36 | Clefable | Fairy | | 483 | 95 | 70 | |
| ## 48 | 37 | Vulpix | Fire | | 299 | 38 | 41 | |
| ## 49 | 37 | VulpixAlolan Vulpix | Ice | | 299 | 38 | 41 | |
| ## 50 | 38 | Ninetales | Fire | | 505 | 73 | 76 | |
| ## 51 | 38 | NinetalesAlolan Ninetales | Ice | Fairy | 505 | 73 | 67 | |
| ## 52 | 39 | Jigglypuff | Normal | Fairy | 270 | 115 | 45 | |

| | | | | | | | |
|--------|----|-------------------------|----------|----------|-----|-----|-----|
| ## 53 | 40 | Wigglytuff | Normal | Fairy | 435 | 140 | 70 |
| ## 54 | 41 | Zubat | Poison | Flying | 245 | 40 | 45 |
| ## 55 | 42 | Golbat | Poison | Flying | 455 | 75 | 80 |
| ## 56 | 43 | Oddish | Grass | Poison | 320 | 45 | 50 |
| ## 57 | 44 | Gloom | Grass | Poison | 395 | 60 | 65 |
| ## 58 | 45 | Vileplume | Grass | Poison | 490 | 75 | 80 |
| ## 59 | 46 | Paras | Bug | Grass | 285 | 35 | 70 |
| ## 60 | 47 | Parasect | Bug | Grass | 405 | 60 | 95 |
| ## 61 | 48 | Venonat | Bug | Poison | 305 | 60 | 55 |
| ## 62 | 49 | Venomoth | Bug | Poison | 450 | 70 | 65 |
| ## 63 | 50 | Diglett | Ground | | 265 | 10 | 55 |
| ## 64 | 50 | DiglettAlolan Diglett | Ground | Steel | 265 | 10 | 55 |
| ## 65 | 51 | Dugtrio | Ground | | 425 | 35 | 100 |
| ## 66 | 51 | DugtrioAlolan Dugtrio | Ground | Steel | 425 | 35 | 100 |
| ## 67 | 52 | Meowth | Normal | | 290 | 40 | 45 |
| ## 68 | 52 | MeowthAlolan Meowth | Dark | | 290 | 40 | 35 |
| ## 69 | 53 | Persian | Normal | | 440 | 65 | 70 |
| ## 70 | 53 | PersianAlolan Persian | Dark | | 440 | 65 | 60 |
| ## 71 | 54 | Psyduck | Water | | 320 | 50 | 52 |
| ## 72 | 55 | Golduck | Water | | 500 | 80 | 82 |
| ## 73 | 56 | Mankey | Fighting | | 305 | 40 | 80 |
| ## 74 | 57 | Primeape | Fighting | | 455 | 65 | 105 |
| ## 75 | 58 | Growlithe | Fire | | 350 | 55 | 70 |
| ## 76 | 59 | Arcanine | Fire | | 555 | 90 | 110 |
| ## 77 | 60 | Poliwag | Water | | 300 | 40 | 50 |
| ## 78 | 61 | Poliwhirl | Water | | 385 | 65 | 65 |
| ## 79 | 62 | Poliwrath | Water | Fighting | 510 | 90 | 95 |
| ## 80 | 63 | Abra | Psychic | | 310 | 25 | 20 |
| ## 81 | 64 | Kadabra | Psychic | | 400 | 40 | 35 |
| ## 82 | 65 | Alakazam | Psychic | | 500 | 55 | 50 |
| ## 83 | 65 | AlakazamMega Alakazam | Psychic | | 600 | 55 | 50 |
| ## 84 | 66 | Machop | Fighting | | 305 | 70 | 80 |
| ## 85 | 67 | Machoke | Fighting | | 405 | 80 | 100 |
| ## 86 | 68 | Machamp | Fighting | | 505 | 90 | 130 |
| ## 87 | 69 | Bellsprout | Grass | Poison | 300 | 50 | 75 |
| ## 88 | 70 | Weepinbell | Grass | Poison | 390 | 65 | 90 |
| ## 89 | 71 | Victreebel | Grass | Poison | 490 | 80 | 105 |
| ## 90 | 72 | Tentacool | Water | Poison | 335 | 40 | 40 |
| ## 91 | 73 | Tentacruel | Water | Poison | 515 | 80 | 70 |
| ## 92 | 74 | Geodude | Rock | Ground | 300 | 40 | 80 |
| ## 93 | 74 | GeodudeAlolan Geodude | Rock | Electric | 300 | 40 | 80 |
| ## 94 | 75 | Graveler | Rock | Ground | 390 | 55 | 95 |
| ## 95 | 75 | GravelerAlolan Graveler | Rock | Electric | 390 | 55 | 95 |
| ## 96 | 76 | Golem | Rock | Ground | 495 | 80 | 120 |
| ## 97 | 76 | GolemAlolan Golem | Rock | Electric | 495 | 80 | 120 |
| ## 98 | 77 | Ponyta | Fire | | 410 | 50 | 85 |
| ## 99 | 78 | Rapidash | Fire | | 500 | 65 | 100 |
| ## 100 | 79 | Slowpoke | Water | Psychic | 315 | 90 | 65 |
| ## 101 | 80 | Slowbro | Water | Psychic | 490 | 95 | 75 |
| ## 102 | 80 | SlowbroMega Slowbro | Water | Psychic | 590 | 95 | 75 |
| ## 103 | 81 | Magnemite | Electric | Steel | 325 | 25 | 35 |
| ## 104 | 82 | Magnetron | Electric | Steel | 465 | 50 | 60 |
| ## 105 | 83 | Farfetch'd | Normal | Flying | 377 | 52 | 90 |
| ## 106 | 84 | Doduo | Normal | Flying | 310 | 35 | 85 |

| | | | | | | | |
|--------|-----|---------------------------|----------|---------|-----|-----|-----|
| ## 107 | 85 | Dodrio | Normal | Flying | 470 | 60 | 110 |
| ## 108 | 86 | Seel | Water | | 325 | 65 | 45 |
| ## 109 | 87 | Dewgong | Water | Ice | 475 | 90 | 70 |
| ## 110 | 88 | Grimer | Poison | | 325 | 80 | 80 |
| ## 111 | 88 | GrimerAlolan Grimer | Poison | Dark | 325 | 80 | 80 |
| ## 112 | 89 | Muk | Poison | | 500 | 105 | 105 |
| ## 113 | 89 | MukAlolan Muk | Poison | Dark | 500 | 105 | 105 |
| ## 114 | 90 | Shellder | Water | | 305 | 30 | 65 |
| ## 115 | 91 | Cloyster | Water | Ice | 525 | 50 | 95 |
| ## 116 | 92 | Gastly | Ghost | Poison | 310 | 30 | 35 |
| ## 117 | 93 | Haunter | Ghost | Poison | 405 | 45 | 50 |
| ## 118 | 94 | Gengar | Ghost | Poison | 500 | 60 | 65 |
| ## 119 | 94 | GengarMega Gengar | Ghost | Poison | 600 | 60 | 65 |
| ## 120 | 95 | Onix | Rock | Ground | 385 | 35 | 45 |
| ## 121 | 96 | Drowzee | Psychic | | 328 | 60 | 48 |
| ## 122 | 97 | Hypno | Psychic | | 483 | 85 | 73 |
| ## 123 | 98 | Krabby | Water | | 325 | 30 | 105 |
| ## 124 | 99 | Kingler | Water | | 475 | 55 | 130 |
| ## 125 | 100 | Voltorb | Electric | | 330 | 40 | 30 |
| ## 126 | 101 | Electrode | Electric | | 490 | 60 | 50 |
| ## 127 | 102 | Exeggcute | Grass | Psychic | 325 | 60 | 40 |
| ## 128 | 103 | Exeggutor | Grass | Psychic | 530 | 95 | 95 |
| ## 129 | 103 | ExeggutorAlolan Exeggutor | Grass | Dragon | 530 | 95 | 105 |
| ## 130 | 104 | Cubone | Ground | | 320 | 50 | 50 |
| ## 131 | 105 | Marowak | Ground | | 425 | 60 | 80 |
| ## 132 | 105 | MarowakAlolan Marowak | Fire | Ghost | 425 | 60 | 80 |
| ## 133 | 106 | Hitmonlee | Fighting | | 455 | 50 | 120 |
| ## 134 | 107 | Hitmonchan | Fighting | | 455 | 50 | 105 |
| ## 135 | 108 | Lickitung | Normal | | 385 | 90 | 55 |
| ## 136 | 109 | Koffing | Poison | | 340 | 40 | 65 |
| ## 137 | 110 | Weezing | Poison | | 490 | 65 | 90 |
| ## 138 | 111 | Rhyhorn | Ground | Rock | 345 | 80 | 85 |
| ## 139 | 112 | Rhydon | Ground | Rock | 485 | 105 | 130 |
| ## 140 | 113 | Chansey | Normal | | 450 | 250 | 5 |
| ## 141 | 114 | Tangela | Grass | | 435 | 65 | 55 |
| ## 142 | 115 | Kangaskhan | Normal | | 490 | 105 | 95 |
| ## 143 | 115 | KangaskhanMega Kangaskhan | Normal | | 590 | 105 | 125 |
| ## 144 | 116 | Horsea | Water | | 295 | 30 | 40 |
| ## 145 | 117 | Seadra | Water | | 440 | 55 | 65 |
| ## 146 | 118 | Goldeen | Water | | 320 | 45 | 67 |
| ## 147 | 119 | Seaking | Water | | 450 | 80 | 92 |
| ## 148 | 120 | Staryu | Water | | 340 | 30 | 45 |
| ## 149 | 121 | Starmie | Water | Psychic | 520 | 60 | 75 |
| ## 150 | 122 | Mr. Mime | Psychic | Fairy | 460 | 40 | 45 |
| ## 151 | 123 | Scyther | Bug | Flying | 500 | 70 | 110 |
| ## 152 | 124 | Jynx | Ice | Psychic | 455 | 65 | 50 |
| ## 153 | 125 | Electabuzz | Electric | | 490 | 65 | 83 |
| ## 154 | 126 | Magmar | Fire | | 495 | 65 | 95 |
| ## 155 | 127 | Pinsir | Bug | | 500 | 65 | 125 |
| ## 156 | 127 | PinsirMega Pinsir | Bug | Flying | 600 | 65 | 155 |
| ## 157 | 128 | Tauros | Normal | | 490 | 75 | 100 |
| ## 158 | 129 | Magikarp | Water | | 200 | 20 | 10 |
| ## 159 | 130 | Gyarados | Water | Flying | 540 | 95 | 125 |
| ## 160 | 130 | GyaradosMega Gyarados | Water | Dark | 640 | 95 | 155 |

| | | | | | | | |
|--------|-----|---------------------------|----------|----------|-----|-----|-----|
| ## 161 | 131 | Lapras | Water | Ice | 535 | 130 | 85 |
| ## 162 | 132 | Ditto | Normal | | 288 | 48 | 48 |
| ## 163 | 133 | Eevee | Normal | | 325 | 55 | 55 |
| ## 164 | 134 | Vaporeon | Water | | 525 | 130 | 65 |
| ## 165 | 135 | Jolteon | Electric | | 525 | 65 | 65 |
| ## 166 | 136 | Flareon | Fire | | 525 | 65 | 130 |
| ## 167 | 137 | Porygon | Normal | | 395 | 65 | 60 |
| ## 168 | 138 | Omanyte | Rock | Water | 355 | 35 | 40 |
| ## 169 | 139 | Omastar | Rock | Water | 495 | 70 | 60 |
| ## 170 | 140 | Kabuto | Rock | Water | 355 | 30 | 80 |
| ## 171 | 141 | Kabutops | Rock | Water | 495 | 60 | 115 |
| ## 172 | 142 | Aerodactyl | Rock | Flying | 515 | 80 | 105 |
| ## 173 | 142 | AerodactylMega Aerodactyl | Rock | Flying | 615 | 80 | 135 |
| ## 174 | 143 | Snorlax | Normal | | 540 | 160 | 110 |
| ## 175 | 144 | Articuno | Ice | Flying | 580 | 90 | 85 |
| ## 176 | 145 | Zapdos | Electric | Flying | 580 | 90 | 90 |
| ## 177 | 146 | Moltres | Fire | Flying | 580 | 90 | 100 |
| ## 178 | 147 | Dratini | Dragon | | 300 | 41 | 64 |
| ## 179 | 148 | Dragonair | Dragon | | 420 | 61 | 84 |
| ## 180 | 149 | Dragonite | Dragon | Flying | 600 | 91 | 134 |
| ## 181 | 150 | Mewtwo | Psychic | | 680 | 106 | 110 |
| ## 182 | 150 | MewtwoMega Mewtwo X | Psychic | Fighting | 780 | 106 | 190 |
| ## 183 | 150 | MewtwoMega Mewtwo Y | Psychic | | 780 | 106 | 150 |
| ## 184 | 151 | Mew | Psychic | | 600 | 100 | 100 |
| ## 185 | 152 | Chikorita | Grass | | 318 | 45 | 49 |
| ## 186 | 153 | Bayleef | Grass | | 405 | 60 | 62 |
| ## 187 | 154 | Meganium | Grass | | 525 | 80 | 82 |
| ## 188 | 155 | Cyndaquil | Fire | | 309 | 39 | 52 |
| ## 189 | 156 | Quilava | Fire | | 405 | 58 | 64 |
| ## 190 | 157 | Typhlosion | Fire | | 534 | 78 | 84 |
| ## 191 | 158 | Totodile | Water | | 314 | 50 | 65 |
| ## 192 | 159 | Croconaw | Water | | 405 | 65 | 80 |
| ## 193 | 160 | Feraligatr | Water | | 530 | 85 | 105 |
| ## 194 | 161 | Sentret | Normal | | 215 | 35 | 46 |
| ## 195 | 162 | Furret | Normal | | 415 | 85 | 76 |
| ## 196 | 163 | Hoothoot | Normal | Flying | 262 | 60 | 30 |
| ## 197 | 164 | Noctowl | Normal | Flying | 452 | 100 | 50 |
| ## 198 | 165 | Ledyba | Bug | Flying | 265 | 40 | 20 |
| ## 199 | 166 | Ledian | Bug | Flying | 390 | 55 | 35 |
| ## 200 | 167 | Spinarak | Bug | Poison | 250 | 40 | 60 |
| ## 201 | 168 | Ariados | Bug | Poison | 400 | 70 | 90 |
| ## 202 | 169 | Crobat | Poison | Flying | 535 | 85 | 90 |
| ## 203 | 170 | Chinchou | Water | Electric | 330 | 75 | 38 |
| ## 204 | 171 | Lanturn | Water | Electric | 460 | 125 | 58 |
| ## 205 | 172 | Pichu | Electric | | 205 | 20 | 40 |
| ## 206 | 173 | Cleffa | Fairy | | 218 | 50 | 25 |
| ## 207 | 174 | Igglybuff | Normal | Fairy | 210 | 90 | 30 |
| ## 208 | 175 | Togepi | Fairy | | 245 | 35 | 20 |
| ## 209 | 176 | Togetic | Fairy | Flying | 405 | 55 | 40 |
| ## 210 | 177 | Natu | Psychic | Flying | 320 | 40 | 50 |
| ## 211 | 178 | Xatu | Psychic | Flying | 470 | 65 | 75 |
| ## 212 | 179 | Mareep | Electric | | 280 | 55 | 40 |
| ## 213 | 180 | Flaaffy | Electric | | 365 | 70 | 55 |
| ## 214 | 181 | Ampharos | Electric | | 510 | 90 | 75 |

| | | | | | | | | |
|----|-----|-----|-------------------------|----------|----------|-----|-----|-----|
| ## | 215 | 181 | AmpharosMega Ampharos | Electric | Dragon | 610 | 90 | 95 |
| ## | 216 | 182 | Bellossom | Grass | | 490 | 75 | 80 |
| ## | 217 | 183 | Marill | Water | Fairy | 250 | 70 | 20 |
| ## | 218 | 184 | Azumarill | Water | Fairy | 420 | 100 | 50 |
| ## | 219 | 185 | Sudowoodo | Rock | | 410 | 70 | 100 |
| ## | 220 | 186 | Politoed | Water | | 500 | 90 | 75 |
| ## | 221 | 187 | Hoppip | Grass | Flying | 250 | 35 | 35 |
| ## | 222 | 188 | Skiploom | Grass | Flying | 340 | 55 | 45 |
| ## | 223 | 189 | Jumpluff | Grass | Flying | 460 | 75 | 55 |
| ## | 224 | 190 | Aipom | Normal | | 360 | 55 | 70 |
| ## | 225 | 191 | Sunkern | Grass | | 180 | 30 | 30 |
| ## | 226 | 192 | Sunflora | Grass | | 425 | 75 | 75 |
| ## | 227 | 193 | Yanma | Bug | Flying | 390 | 65 | 65 |
| ## | 228 | 194 | Wooper | Water | Ground | 210 | 55 | 45 |
| ## | 229 | 195 | Quagsire | Water | Ground | 430 | 95 | 85 |
| ## | 230 | 196 | Espeon | Psychic | | 525 | 65 | 65 |
| ## | 231 | 197 | Umbreon | Dark | | 525 | 95 | 65 |
| ## | 232 | 198 | Murkrow | Dark | Flying | 405 | 60 | 85 |
| ## | 233 | 199 | Slowking | Water | Psychic | 490 | 95 | 75 |
| ## | 234 | 200 | Misdreavus | Ghost | | 435 | 60 | 60 |
| ## | 235 | 201 | Unown | Psychic | | 336 | 48 | 72 |
| ## | 236 | 202 | Wobbuffet | Psychic | | 405 | 190 | 33 |
| ## | 237 | 203 | Girafarig | Normal | Psychic | 455 | 70 | 80 |
| ## | 238 | 204 | Pineco | Bug | | 290 | 50 | 65 |
| ## | 239 | 205 | Forretress | Bug | Steel | 465 | 75 | 90 |
| ## | 240 | 206 | Dunsparce | Normal | | 415 | 100 | 70 |
| ## | 241 | 207 | Gligar | Ground | Flying | 430 | 65 | 75 |
| ## | 242 | 208 | Steelix | Steel | Ground | 510 | 75 | 85 |
| ## | 243 | 208 | SteelixMega Steelix | Steel | Ground | 610 | 75 | 125 |
| ## | 244 | 209 | Snubbull | Fairy | | 300 | 60 | 80 |
| ## | 245 | 210 | Granbull | Fairy | | 450 | 90 | 120 |
| ## | 246 | 211 | Qwilfish | Water | Poison | 440 | 65 | 95 |
| ## | 247 | 212 | Scizor | Bug | Steel | 500 | 70 | 130 |
| ## | 248 | 212 | ScizorMega Scizor | Bug | Steel | 600 | 70 | 150 |
| ## | 249 | 213 | Shuckle | Bug | Rock | 505 | 20 | 10 |
| ## | 250 | 214 | Heracross | Bug | Fighting | 500 | 80 | 125 |
| ## | 251 | 214 | HeracrossMega Heracross | Bug | Fighting | 600 | 80 | 185 |
| ## | 252 | 215 | Sneasel | Dark | Ice | 430 | 55 | 95 |
| ## | 253 | 216 | Teddiursa | Normal | | 330 | 60 | 80 |
| ## | 254 | 217 | Ursaring | Normal | | 500 | 90 | 130 |
| ## | 255 | 218 | Slugma | Fire | | 250 | 40 | 40 |
| ## | 256 | 219 | Magcargo | Fire | Rock | 430 | 60 | 50 |
| ## | 257 | 220 | Swinub | Ice | Ground | 250 | 50 | 50 |
| ## | 258 | 221 | Piloswine | Ice | Ground | 450 | 100 | 100 |
| ## | 259 | 222 | Corsola | Water | Rock | 410 | 65 | 55 |
| ## | 260 | 223 | Remoraid | Water | | 300 | 35 | 65 |
| ## | 261 | 224 | Octillery | Water | | 480 | 75 | 105 |
| ## | 262 | 225 | Delibird | Ice | Flying | 330 | 45 | 55 |
| ## | 263 | 226 | Mantine | Water | Flying | 485 | 85 | 40 |
| ## | 264 | 227 | Skarmory | Steel | Flying | 465 | 65 | 80 |
| ## | 265 | 228 | Houndour | Dark | Fire | 330 | 45 | 60 |
| ## | 266 | 229 | Houndoom | Dark | Fire | 500 | 75 | 90 |
| ## | 267 | 229 | HoundoomMega Houndoom | Dark | Fire | 600 | 75 | 90 |
| ## | 268 | 230 | Kingdra | Water | Dragon | 540 | 75 | 95 |

| | | | | | | | |
|--------|-----|---------------------------|----------|----------|-----|-----|-----|
| ## 269 | 231 | Phanpy | Ground | | 330 | 90 | 60 |
| ## 270 | 232 | Donphan | Ground | | 500 | 90 | 120 |
| ## 271 | 233 | Porygon2 | Normal | | 515 | 85 | 80 |
| ## 272 | 234 | Stantler | Normal | | 465 | 73 | 95 |
| ## 273 | 235 | Smeargle | Normal | | 250 | 55 | 20 |
| ## 274 | 236 | Tyrogue | Fighting | | 210 | 35 | 35 |
| ## 275 | 237 | Hitmontop | Fighting | | 455 | 50 | 95 |
| ## 276 | 238 | Smoochum | Ice | Psychic | 305 | 45 | 30 |
| ## 277 | 239 | Elekid | Electric | | 360 | 45 | 63 |
| ## 278 | 240 | Magby | Fire | | 365 | 45 | 75 |
| ## 279 | 241 | Miltank | Normal | | 490 | 95 | 80 |
| ## 280 | 242 | Blissey | Normal | | 540 | 255 | 10 |
| ## 281 | 243 | Raikou | Electric | | 580 | 90 | 85 |
| ## 282 | 244 | Entei | Fire | | 580 | 115 | 115 |
| ## 283 | 245 | Suicune | Water | | 580 | 100 | 75 |
| ## 284 | 246 | Larvitar | Rock | Ground | 300 | 50 | 64 |
| ## 285 | 247 | Pupitar | Rock | Ground | 410 | 70 | 84 |
| ## 286 | 248 | Tyrannitar | Rock | Dark | 600 | 100 | 134 |
| ## 287 | 248 | TyrannitarMega Tyrannitar | Rock | Dark | 700 | 100 | 164 |
| ## 288 | 249 | Lugia | Psychic | Flying | 680 | 106 | 90 |
| ## 289 | 250 | Ho-oh | Fire | Flying | 680 | 106 | 130 |
| ## 290 | 251 | Celebi | Psychic | Grass | 600 | 100 | 100 |
| ## 291 | 252 | Treecko | Grass | | 310 | 40 | 45 |
| ## 292 | 253 | Grovyle | Grass | | 405 | 50 | 65 |
| ## 293 | 254 | Sceptile | Grass | | 530 | 70 | 85 |
| ## 294 | 254 | SceptileMega Sceptile | Grass | Dragon | 630 | 70 | 110 |
| ## 295 | 255 | Torchic | Fire | | 310 | 45 | 60 |
| ## 296 | 256 | Combusken | Fire | Fighting | 405 | 60 | 85 |
| ## 297 | 257 | Blaziken | Fire | Fighting | 530 | 80 | 120 |
| ## 298 | 257 | BlazikenMega Blaziken | Fire | Fighting | 630 | 80 | 160 |
| ## 299 | 258 | Mudkip | Water | | 310 | 50 | 70 |
| ## 300 | 259 | Marshtomp | Water | Ground | 405 | 70 | 85 |
| ## 301 | 260 | Swampert | Water | Ground | 535 | 100 | 110 |
| ## 302 | 260 | SwampertMega Swampert | Water | Ground | 635 | 100 | 150 |
| ## 303 | 261 | Poochyena | Dark | | 220 | 35 | 55 |
| ## 304 | 262 | Mightyena | Dark | | 420 | 70 | 90 |
| ## 305 | 263 | Zigzagoon | Normal | | 240 | 38 | 30 |
| ## 306 | 264 | Linoone | Normal | | 420 | 78 | 70 |
| ## 307 | 265 | Wurmple | Bug | | 195 | 45 | 45 |
| ## 308 | 266 | Silcoon | Bug | | 205 | 50 | 35 |
| ## 309 | 267 | Beautifly | Bug | Flying | 395 | 60 | 70 |
| ## 310 | 268 | Cascoon | Bug | | 205 | 50 | 35 |
| ## 311 | 269 | Dustox | Bug | Poison | 385 | 60 | 50 |
| ## 312 | 270 | Lotad | Water | Grass | 220 | 40 | 30 |
| ## 313 | 271 | Lombre | Water | Grass | 340 | 60 | 50 |
| ## 314 | 272 | Ludicolo | Water | Grass | 480 | 80 | 70 |
| ## 315 | 273 | Seedot | Grass | | 220 | 40 | 40 |
| ## 316 | 274 | Nuzleaf | Grass | Dark | 340 | 70 | 70 |
| ## 317 | 275 | Shiftry | Grass | Dark | 480 | 90 | 100 |
| ## 318 | 276 | Tailow | Normal | Flying | 270 | 40 | 55 |
| ## 319 | 277 | Swellow | Normal | Flying | 455 | 60 | 85 |
| ## 320 | 278 | Wingull | Water | Flying | 270 | 40 | 30 |
| ## 321 | 279 | Pelipper | Water | Flying | 440 | 60 | 50 |
| ## 322 | 280 | Ralts | Psychic | Fairy | 198 | 28 | 25 |

| | | | | | | | | | |
|----|-----|-----|---------------|------------|----------|----------|-----|-----|-----|
| ## | 323 | 281 | | Kirlia | Psychic | Fairy | 278 | 38 | 35 |
| ## | 324 | 282 | | Gardevoir | Psychic | Fairy | 518 | 68 | 65 |
| ## | 325 | 282 | GardevoirMega | Gardevoir | Psychic | Fairy | 618 | 68 | 85 |
| ## | 326 | 283 | | Surskit | Bug | Water | 269 | 40 | 30 |
| ## | 327 | 284 | | Masquerain | Bug | Flying | 454 | 70 | 60 |
| ## | 328 | 285 | | Shroomish | Grass | | 295 | 60 | 40 |
| ## | 329 | 286 | | Breloom | Grass | Fighting | 460 | 60 | 130 |
| ## | 330 | 287 | | Slakoth | Normal | | 280 | 60 | 60 |
| ## | 331 | 288 | | Vigoroth | Normal | | 440 | 80 | 80 |
| ## | 332 | 289 | | Slaking | Normal | | 670 | 150 | 160 |
| ## | 333 | 290 | | Nincada | Bug | Ground | 266 | 31 | 45 |
| ## | 334 | 291 | | Ninjask | Bug | Flying | 456 | 61 | 90 |
| ## | 335 | 292 | | Shedinja | Bug | Ghost | 236 | 1 | 90 |
| ## | 336 | 293 | | Whismur | Normal | | 240 | 64 | 51 |
| ## | 337 | 294 | | Loudred | Normal | | 360 | 84 | 71 |
| ## | 338 | 295 | | Exploud | Normal | | 490 | 104 | 91 |
| ## | 339 | 296 | | Makuhita | Fighting | | 237 | 72 | 60 |
| ## | 340 | 297 | | Hariyama | Fighting | | 474 | 144 | 120 |
| ## | 341 | 298 | | Azurill | Normal | Fairy | 190 | 50 | 20 |
| ## | 342 | 299 | | Nosepass | Rock | | 375 | 30 | 45 |
| ## | 343 | 300 | | Skitty | Normal | | 260 | 50 | 45 |
| ## | 344 | 301 | | Delcatty | Normal | | 400 | 70 | 65 |
| ## | 345 | 302 | | Sableye | Dark | Ghost | 380 | 50 | 75 |
| ## | 346 | 302 | SableyeMega | Sableye | Dark | Ghost | 480 | 50 | 85 |
| ## | 347 | 303 | | Mawile | Steel | Fairy | 380 | 50 | 85 |
| ## | 348 | 303 | MawileMega | Mawile | Steel | Fairy | 480 | 50 | 105 |
| ## | 349 | 304 | | Aron | Steel | Rock | 330 | 50 | 70 |
| ## | 350 | 305 | | Lairon | Steel | Rock | 430 | 60 | 90 |
| ## | 351 | 306 | | Aggron | Steel | Rock | 530 | 70 | 110 |
| ## | 352 | 306 | AggronMega | Aggron | Steel | | 630 | 70 | 140 |
| ## | 353 | 307 | | Meditite | Fighting | Psychic | 280 | 30 | 40 |
| ## | 354 | 308 | | Medicham | Fighting | Psychic | 410 | 60 | 60 |
| ## | 355 | 308 | MedichamMega | Medicham | Fighting | Psychic | 510 | 60 | 100 |
| ## | 356 | 309 | | Electrike | Electric | | 295 | 40 | 45 |
| ## | 357 | 310 | | Manectric | Electric | | 475 | 70 | 75 |
| ## | 358 | 310 | ManectricMega | Manectric | Electric | | 575 | 70 | 75 |
| ## | 359 | 311 | | Plusle | Electric | | 405 | 60 | 50 |
| ## | 360 | 312 | | Minun | Electric | | 405 | 60 | 40 |
| ## | 361 | 313 | | Volbeat | Bug | | 430 | 65 | 73 |
| ## | 362 | 314 | | Illumise | Bug | | 430 | 65 | 47 |
| ## | 363 | 315 | | Roselia | Grass | Poison | 400 | 50 | 60 |
| ## | 364 | 316 | | Gulpin | Poison | | 302 | 70 | 43 |
| ## | 365 | 317 | | Swalot | Poison | | 467 | 100 | 73 |
| ## | 366 | 318 | | Carvanha | Water | Dark | 305 | 45 | 90 |
| ## | 367 | 319 | | Sharpedo | Water | Dark | 460 | 70 | 120 |
| ## | 368 | 319 | SharpedoMega | Sharpedo | Water | Dark | 560 | 70 | 140 |
| ## | 369 | 320 | | Wailmer | Water | | 400 | 130 | 70 |
| ## | 370 | 321 | | Wailord | Water | | 500 | 170 | 90 |
| ## | 371 | 322 | | Numel | Fire | Ground | 305 | 60 | 60 |
| ## | 372 | 323 | | Camerupt | Fire | Ground | 460 | 70 | 100 |
| ## | 373 | 323 | CameruptMega | Camerupt | Fire | Ground | 560 | 70 | 120 |
| ## | 374 | 324 | | Torkoal | Fire | | 470 | 70 | 85 |
| ## | 375 | 325 | | Spoink | Psychic | | 330 | 60 | 25 |
| ## | 376 | 326 | | Grumpig | Psychic | | 470 | 80 | 45 |

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|------------|-------------------------|---------|---------|-----|-----|-----|
| ## 377 327 | Spinda | Normal | | 360 | 60 | 60 |
| ## 378 328 | Trapinch | Ground | | 290 | 45 | 100 |
| ## 379 329 | Vibrava | Ground | Dragon | 340 | 50 | 70 |
| ## 380 330 | Flygon | Ground | Dragon | 520 | 80 | 100 |
| ## 381 331 | Cacnea | Grass | | 335 | 50 | 85 |
| ## 382 332 | Cacturne | Grass | Dark | 475 | 70 | 115 |
| ## 383 333 | Swablu | Normal | Flying | 310 | 45 | 40 |
| ## 384 334 | Altaria | Dragon | Flying | 490 | 75 | 70 |
| ## 385 334 | AltariaMega Altaria | Dragon | Fairy | 590 | 75 | 110 |
| ## 386 335 | Zangoose | Normal | | 458 | 73 | 115 |
| ## 387 336 | Seviper | Poison | | 458 | 73 | 100 |
| ## 388 337 | Lunatone | Rock | Psychic | 460 | 90 | 55 |
| ## 389 338 | Solrock | Rock | Psychic | 460 | 90 | 95 |
| ## 390 339 | Barboach | Water | Ground | 288 | 50 | 48 |
| ## 391 340 | Whiscash | Water | Ground | 468 | 110 | 78 |
| ## 392 341 | Corphish | Water | | 308 | 43 | 80 |
| ## 393 342 | Crawdaunt | Water | Dark | 468 | 63 | 120 |
| ## 394 343 | Baltoy | Ground | Psychic | 300 | 40 | 40 |
| ## 395 344 | Claydol | Ground | Psychic | 500 | 60 | 70 |
| ## 396 345 | Lileep | Rock | Grass | 355 | 66 | 41 |
| ## 397 346 | Cradily | Rock | Grass | 495 | 86 | 81 |
| ## 398 347 | Anorith | Rock | Bug | 355 | 45 | 95 |
| ## 399 348 | Armaldo | Rock | Bug | 495 | 75 | 125 |
| ## 400 349 | Feebas | Water | | 200 | 20 | 15 |
| ## 401 350 | Milotic | Water | | 540 | 95 | 60 |
| ## 402 351 | Castform | Normal | | 420 | 70 | 70 |
| ## 403 352 | Kecleon | Normal | | 440 | 60 | 90 |
| ## 404 353 | Shuppet | Ghost | | 295 | 44 | 75 |
| ## 405 354 | Banette | Ghost | | 455 | 64 | 115 |
| ## 406 354 | BanetteMega Banette | Ghost | | 555 | 64 | 165 |
| ## 407 355 | Duskull | Ghost | | 295 | 20 | 40 |
| ## 408 356 | Dusclops | Ghost | | 455 | 40 | 70 |
| ## 409 357 | Tropius | Grass | Flying | 460 | 99 | 68 |
| ## 410 358 | Chimecho | Psychic | | 455 | 75 | 50 |
| ## 411 359 | Absol | Dark | | 465 | 65 | 130 |
| ## 412 359 | AbsolMega Absol | Dark | | 565 | 65 | 150 |
| ## 413 360 | Wynaut | Psychic | | 260 | 95 | 23 |
| ## 414 361 | Snorunt | Ice | | 300 | 50 | 50 |
| ## 415 362 | Glalie | Ice | | 480 | 80 | 80 |
| ## 416 362 | GlalieMega Glalie | Ice | | 580 | 80 | 120 |
| ## 417 363 | Spheal | Ice | Water | 290 | 70 | 40 |
| ## 418 364 | Sealeo | Ice | Water | 410 | 90 | 60 |
| ## 419 365 | Walrein | Ice | Water | 530 | 110 | 80 |
| ## 420 366 | Clamperl | Water | | 345 | 35 | 64 |
| ## 421 367 | Huntail | Water | | 485 | 55 | 104 |
| ## 422 368 | Gorebyss | Water | | 485 | 55 | 84 |
| ## 423 369 | Relicanth | Water | Rock | 485 | 100 | 90 |
| ## 424 370 | Luvdisc | Water | | 330 | 43 | 30 |
| ## 425 371 | Bagon | Dragon | | 300 | 45 | 75 |
| ## 426 372 | Shelgon | Dragon | | 420 | 65 | 95 |
| ## 427 373 | Salamence | Dragon | Flying | 600 | 95 | 135 |
| ## 428 373 | SalamenceMega Salamence | Dragon | Flying | 700 | 95 | 145 |
| ## 429 374 | Beldum | Steel | Psychic | 300 | 40 | 55 |
| ## 430 375 | Metang | Steel | Psychic | 420 | 60 | 75 |

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|------------|---------------|------------|----------|----------|-----|-----|-----|
| ## 431 376 | | Metagross | Steel | Psychic | 600 | 80 | 135 |
| ## 432 376 | MetagrossMega | Metagross | Steel | Psychic | 700 | 80 | 145 |
| ## 433 377 | | Regirock | Rock | | 580 | 80 | 100 |
| ## 434 378 | | Regice | Ice | | 580 | 80 | 50 |
| ## 435 379 | | Registeel | Steel | | 580 | 80 | 75 |
| ## 436 380 | | Latias | Dragon | Psychic | 600 | 80 | 80 |
| ## 437 380 | LatiasMega | Latias | Dragon | Psychic | 700 | 80 | 100 |
| ## 438 381 | | Latos | Dragon | Psychic | 600 | 80 | 90 |
| ## 439 381 | LatosMega | Latos | Dragon | Psychic | 700 | 80 | 130 |
| ## 440 382 | | Kyogre | Water | | 670 | 100 | 100 |
| ## 441 382 | KyogrePrimal | Kyogre | Water | | 770 | 100 | 150 |
| ## 442 383 | | Groudon | Ground | | 670 | 100 | 150 |
| ## 443 383 | GroudonPrimal | Groudon | Ground | Fire | 770 | 100 | 180 |
| ## 444 384 | | Rayquaza | Dragon | Flying | 680 | 105 | 150 |
| ## 445 384 | RayquazaMega | Rayquaza | Dragon | Flying | 780 | 105 | 180 |
| ## 446 385 | | Jirachi | Steel | Psychic | 600 | 100 | 100 |
| ## 447 386 | DeoxysNormal | Forme | Psychic | | 600 | 50 | 150 |
| ## 448 386 | DeoxysAttack | Forme | Psychic | | 600 | 50 | 180 |
| ## 449 386 | DeoxysDefense | Forme | Psychic | | 600 | 50 | 70 |
| ## 450 386 | DeoxysSpeed | Forme | Psychic | | 600 | 50 | 95 |
| ## 451 387 | | Turtwig | Grass | | 318 | 55 | 68 |
| ## 452 388 | | Grotle | Grass | | 405 | 75 | 89 |
| ## 453 389 | | Torterra | Grass | Ground | 525 | 95 | 109 |
| ## 454 390 | | Chimchar | Fire | | 309 | 44 | 58 |
| ## 455 391 | | Monferno | Fire | Fighting | 405 | 64 | 78 |
| ## 456 392 | | Infernape | Fire | Fighting | 534 | 76 | 104 |
| ## 457 393 | | Piplup | Water | | 314 | 53 | 51 |
| ## 458 394 | | Prinplup | Water | | 405 | 64 | 66 |
| ## 459 395 | | Empoleon | Water | Steel | 530 | 84 | 86 |
| ## 460 396 | | Starly | Normal | Flying | 245 | 40 | 55 |
| ## 461 397 | | Staravia | Normal | Flying | 340 | 55 | 75 |
| ## 462 398 | | Staraptor | Normal | Flying | 485 | 85 | 120 |
| ## 463 399 | | Bidoof | Normal | | 250 | 59 | 45 |
| ## 464 400 | | Bibarel | Normal | Water | 410 | 79 | 85 |
| ## 465 401 | | Kricketot | Bug | | 194 | 37 | 25 |
| ## 466 402 | | Kricketune | Bug | | 384 | 77 | 85 |
| ## 467 403 | | Shinx | Electric | | 263 | 45 | 65 |
| ## 468 404 | | Luxio | Electric | | 363 | 60 | 85 |
| ## 469 405 | | Luxray | Electric | | 523 | 80 | 120 |
| ## 470 406 | | Budew | Grass | Poison | 280 | 40 | 30 |
| ## 471 407 | | Roserade | Grass | Poison | 515 | 60 | 70 |
| ## 472 408 | | Cranidos | Rock | | 350 | 67 | 125 |
| ## 473 409 | | Rampardos | Rock | | 495 | 97 | 165 |
| ## 474 410 | | Shieldon | Rock | Steel | 350 | 30 | 42 |
| ## 475 411 | | Bastiodon | Rock | Steel | 495 | 60 | 52 |
| ## 476 412 | | Burmy | Bug | | 224 | 40 | 29 |
| ## 477 413 | WormadamPlant | Cloak | Bug | Grass | 424 | 60 | 59 |
| ## 478 413 | WormadamSandy | Cloak | Bug | Ground | 424 | 60 | 79 |
| ## 479 413 | WormadamTrash | Cloak | Bug | Steel | 424 | 60 | 69 |
| ## 480 414 | | Mothim | Bug | Flying | 424 | 70 | 94 |
| ## 481 415 | | Combee | Bug | Flying | 244 | 30 | 30 |
| ## 482 416 | | Vespiquen | Bug | Flying | 474 | 70 | 80 |
| ## 483 417 | | Pachirisu | Electric | | 405 | 60 | 45 |
| ## 484 418 | | Buizel | Water | | 330 | 55 | 65 |

| | | | | | | |
|------------|---------------|-----------|-----------------|-----|-----|-----|
| ## 485 419 | Floatzel | Water | | 495 | 85 | 105 |
| ## 486 420 | Cherubi | Grass | | 275 | 45 | 35 |
| ## 487 421 | Cherrim | Grass | | 450 | 70 | 60 |
| ## 488 422 | Shellos | Water | | 325 | 76 | 48 |
| ## 489 423 | Gastrodon | Water | Ground | 475 | 111 | 83 |
| ## 490 424 | Ambipom | Normal | | 482 | 75 | 100 |
| ## 491 425 | Drifloon | Ghost | Flying | 348 | 90 | 50 |
| ## 492 426 | Drifblim | Ghost | Flying | 498 | 150 | 80 |
| ## 493 427 | Buneary | Normal | | 350 | 55 | 66 |
| ## 494 428 | Lopunny | Normal | | 480 | 65 | 76 |
| ## 495 428 | LopunnyMega | Lopunny | Normal Fighting | 580 | 65 | 136 |
| ## 496 429 | Mismagius | Ghost | | 495 | 60 | 60 |
| ## 497 430 | Honchkrow | Dark | Flying | 505 | 100 | 125 |
| ## 498 431 | Glameow | Normal | | 310 | 49 | 55 |
| ## 499 432 | Purugly | Normal | | 452 | 71 | 82 |
| ## 500 433 | Chingling | Psychic | | 285 | 45 | 30 |
| ## 501 434 | Stunky | Poison | Dark | 329 | 63 | 63 |
| ## 502 435 | Skuntank | Poison | Dark | 479 | 103 | 93 |
| ## 503 436 | Bronzor | Steel | Psychic | 300 | 57 | 24 |
| ## 504 437 | Bronzong | Steel | Psychic | 500 | 67 | 89 |
| ## 505 438 | Bonsly | Rock | | 290 | 50 | 80 |
| ## 506 439 | Mime Jr. | Psychic | Fairy | 310 | 20 | 25 |
| ## 507 440 | Happiny | Normal | | 220 | 100 | 5 |
| ## 508 441 | Chatot | Normal | Flying | 411 | 76 | 65 |
| ## 509 442 | Spiritomb | Ghost | Dark | 485 | 50 | 92 |
| ## 510 443 | Gible | Dragon | Ground | 300 | 58 | 70 |
| ## 511 444 | Gabite | Dragon | Ground | 410 | 68 | 90 |
| ## 512 445 | Garchomp | Dragon | Ground | 600 | 108 | 130 |
| ## 513 445 | GarchompMega | Garchomp | Dragon Ground | 700 | 108 | 170 |
| ## 514 446 | Munchlax | Normal | | 390 | 135 | 85 |
| ## 515 447 | Riolu | Fighting | | 285 | 40 | 70 |
| ## 516 448 | Lucario | Fighting | Steel | 525 | 70 | 110 |
| ## 517 448 | LucarioMega | Lucario | Fighting Steel | 625 | 70 | 145 |
| ## 518 449 | Hippopotas | Ground | | 330 | 68 | 72 |
| ## 519 450 | Hippowdon | Ground | | 525 | 108 | 112 |
| ## 520 451 | Skorupi | Poison | Bug | 330 | 40 | 50 |
| ## 521 452 | Drapion | Poison | Dark | 500 | 70 | 90 |
| ## 522 453 | Croagunk | Poison | Fighting | 300 | 48 | 61 |
| ## 523 454 | Toxicroak | Poison | Fighting | 490 | 83 | 106 |
| ## 524 455 | Carnivine | Grass | | 454 | 74 | 100 |
| ## 525 456 | Finneon | Water | | 330 | 49 | 49 |
| ## 526 457 | Lumineon | Water | | 460 | 69 | 69 |
| ## 527 458 | Mantyke | Water | Flying | 345 | 45 | 20 |
| ## 528 459 | Snover | Grass | Ice | 334 | 60 | 62 |
| ## 529 460 | Abomasnow | Grass | Ice | 494 | 90 | 92 |
| ## 530 460 | AbomasnowMega | Abomasnow | Grass Ice | 594 | 90 | 132 |
| ## 531 461 | Weavile | Dark | Ice | 510 | 70 | 120 |
| ## 532 462 | Magnezone | Electric | Steel | 535 | 70 | 70 |
| ## 533 463 | Lickilicky | Normal | | 515 | 110 | 85 |
| ## 534 464 | Rhyperior | Ground | Rock | 535 | 115 | 140 |
| ## 535 465 | Tangrowth | Grass | | 535 | 100 | 100 |
| ## 536 466 | Electivire | Electric | | 540 | 75 | 123 |
| ## 537 467 | Magmortar | Fire | | 540 | 75 | 95 |
| ## 538 468 | Togekiss | Fairy | Flying | 545 | 85 | 50 |

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|------------|-----------------------|----------|----------|-----|-----|-----|
| ## 539 469 | Yanmega | Bug | Flying | 515 | 86 | 76 |
| ## 540 470 | Leafeon | Grass | | 525 | 65 | 110 |
| ## 541 471 | Glaceon | Ice | | 525 | 65 | 60 |
| ## 542 472 | Gliscor | Ground | Flying | 510 | 75 | 95 |
| ## 543 473 | Mamoswine | Ice | Ground | 530 | 110 | 130 |
| ## 544 474 | Porygon-Z | Normal | | 535 | 85 | 80 |
| ## 545 475 | Gallade | Psychic | Fighting | 518 | 68 | 125 |
| ## 546 475 | GalladeMega Gallade | Psychic | Fighting | 618 | 68 | 165 |
| ## 547 476 | Probopass | Rock | Steel | 525 | 60 | 55 |
| ## 548 477 | Dusknoir | Ghost | | 525 | 45 | 100 |
| ## 549 478 | Froslass | Ice | Ghost | 480 | 70 | 80 |
| ## 550 479 | Rotom | Electric | Ghost | 440 | 50 | 50 |
| ## 551 479 | RotomHeat Rotom | Electric | Fire | 520 | 50 | 65 |
| ## 552 479 | RotomWash Rotom | Electric | Water | 520 | 50 | 65 |
| ## 553 479 | RotomFrost Rotom | Electric | Ice | 520 | 50 | 65 |
| ## 554 479 | RotomFan Rotom | Electric | Flying | 520 | 50 | 65 |
| ## 555 479 | RotomMow Rotom | Electric | Grass | 520 | 50 | 65 |
| ## 556 480 | Uxie | Psychic | | 580 | 75 | 75 |
| ## 557 481 | Mesprit | Psychic | | 580 | 80 | 105 |
| ## 558 482 | Azelf | Psychic | | 580 | 75 | 125 |
| ## 559 483 | Dialga | Steel | Dragon | 680 | 100 | 120 |
| ## 560 484 | Palkia | Water | Dragon | 680 | 90 | 120 |
| ## 561 485 | Heatran | Fire | Steel | 600 | 91 | 90 |
| ## 562 486 | Regigigas | Normal | | 670 | 110 | 160 |
| ## 563 487 | GiratinaAltered Forme | Ghost | Dragon | 680 | 150 | 100 |
| ## 564 487 | GiratinaOrigin Forme | Ghost | Dragon | 680 | 150 | 120 |
| ## 565 488 | Cresselia | Psychic | | 600 | 120 | 70 |
| ## 566 489 | Phione | Water | | 480 | 80 | 80 |
| ## 567 490 | Manaphy | Water | | 600 | 100 | 100 |
| ## 568 491 | Darkrai | Dark | | 600 | 70 | 90 |
| ## 569 492 | ShayminLand Forme | Grass | | 600 | 100 | 100 |
| ## 570 492 | ShayminSky Forme | Grass | Flying | 600 | 100 | 103 |
| ## 571 493 | Arceus | Normal | | 720 | 120 | 120 |
| ## 572 494 | Victini | Psychic | Fire | 600 | 100 | 100 |
| ## 573 495 | Snivy | Grass | | 308 | 45 | 45 |
| ## 574 496 | Servine | Grass | | 413 | 60 | 60 |
| ## 575 497 | Serperior | Grass | | 528 | 75 | 75 |
| ## 576 498 | Tepig | Fire | | 308 | 65 | 63 |
| ## 577 499 | Pignite | Fire | Fighting | 418 | 90 | 93 |
| ## 578 500 | Emboar | Fire | Fighting | 528 | 110 | 123 |
| ## 579 501 | Oshawott | Water | | 308 | 55 | 55 |
| ## 580 502 | Dewott | Water | | 413 | 75 | 75 |
| ## 581 503 | Samurott | Water | | 528 | 95 | 100 |
| ## 582 504 | Patrat | Normal | | 255 | 45 | 55 |
| ## 583 505 | Watchog | Normal | | 420 | 60 | 85 |
| ## 584 506 | Lillipup | Normal | | 275 | 45 | 60 |
| ## 585 507 | Herdier | Normal | | 370 | 65 | 80 |
| ## 586 508 | Stoutland | Normal | | 500 | 85 | 110 |
| ## 587 509 | Purrloin | Dark | | 281 | 41 | 50 |
| ## 588 510 | Liepard | Dark | | 446 | 64 | 88 |
| ## 589 511 | Pansage | Grass | | 316 | 50 | 53 |
| ## 590 512 | Simisage | Grass | | 498 | 75 | 98 |
| ## 591 513 | Pansear | Fire | | 316 | 50 | 53 |
| ## 592 514 | Simisear | Fire | | 498 | 75 | 98 |

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|--------|-----|-------------------------|----------|----------|-----|-----|-----|
| ## 593 | 515 | Panpour | Water | | 316 | 50 | 53 |
| ## 594 | 516 | Simipour | Water | | 498 | 75 | 98 |
| ## 595 | 517 | Munna | Psychic | | 292 | 76 | 25 |
| ## 596 | 518 | Musharna | Psychic | | 487 | 116 | 55 |
| ## 597 | 519 | Pidove | Normal | Flying | 264 | 50 | 55 |
| ## 598 | 520 | Tranquill | Normal | Flying | 358 | 62 | 77 |
| ## 599 | 521 | Unfezant | Normal | Flying | 488 | 80 | 115 |
| ## 600 | 522 | Blitzle | Electric | | 295 | 45 | 60 |
| ## 601 | 523 | Zebstrika | Electric | | 497 | 75 | 100 |
| ## 602 | 524 | Roggenrola | Rock | | 280 | 55 | 75 |
| ## 603 | 525 | Boldore | Rock | | 390 | 70 | 105 |
| ## 604 | 526 | Gigalith | Rock | | 515 | 85 | 135 |
| ## 605 | 527 | Woobat | Psychic | Flying | 323 | 65 | 45 |
| ## 606 | 528 | Swoobat | Psychic | Flying | 425 | 67 | 57 |
| ## 607 | 529 | Drilbur | Ground | | 328 | 60 | 85 |
| ## 608 | 530 | Excadrill | Ground | Steel | 508 | 110 | 135 |
| ## 609 | 531 | Audino | Normal | | 445 | 103 | 60 |
| ## 610 | 531 | AudinoMega Audino | Normal | Fairy | 545 | 103 | 60 |
| ## 611 | 532 | Timburr | Fighting | | 305 | 75 | 80 |
| ## 612 | 533 | Gurdurr | Fighting | | 405 | 85 | 105 |
| ## 613 | 534 | Conkeldurr | Fighting | | 505 | 105 | 140 |
| ## 614 | 535 | Tympole | Water | | 294 | 50 | 50 |
| ## 615 | 536 | Palpitoad | Water | Ground | 384 | 75 | 65 |
| ## 616 | 537 | Seismitoad | Water | Ground | 509 | 105 | 95 |
| ## 617 | 538 | Throh | Fighting | | 465 | 120 | 100 |
| ## 618 | 539 | Sawk | Fighting | | 465 | 75 | 125 |
| ## 619 | 540 | Sewaddle | Bug | Grass | 310 | 45 | 53 |
| ## 620 | 541 | Swadloon | Bug | Grass | 380 | 55 | 63 |
| ## 621 | 542 | Leavanny | Bug | Grass | 500 | 75 | 103 |
| ## 622 | 543 | Venipede | Bug | Poison | 260 | 30 | 45 |
| ## 623 | 544 | Whirlipede | Bug | Poison | 360 | 40 | 55 |
| ## 624 | 545 | Scolipede | Bug | Poison | 485 | 60 | 100 |
| ## 625 | 546 | Cottonee | Grass | Fairy | 280 | 40 | 27 |
| ## 626 | 547 | Whimsicott | Grass | Fairy | 480 | 60 | 67 |
| ## 627 | 548 | Petilil | Grass | | 280 | 45 | 35 |
| ## 628 | 549 | Lilligant | Grass | | 480 | 70 | 60 |
| ## 629 | 550 | Basculin | Water | | 460 | 70 | 92 |
| ## 630 | 551 | Sandile | Ground | Dark | 292 | 50 | 72 |
| ## 631 | 552 | Krokorok | Ground | Dark | 351 | 60 | 82 |
| ## 632 | 553 | Krookodile | Ground | Dark | 519 | 95 | 117 |
| ## 633 | 554 | Darumaka | Fire | | 315 | 70 | 90 |
| ## 634 | 555 | DarmanitanStandard Mode | Fire | | 480 | 105 | 140 |
| ## 635 | 555 | DarmanitanZen Mode | Fire | Psychic | 540 | 105 | 30 |
| ## 636 | 556 | Maractus | Grass | | 461 | 75 | 86 |
| ## 637 | 557 | Dwebble | Bug | Rock | 325 | 50 | 65 |
| ## 638 | 558 | Crustle | Bug | Rock | 485 | 70 | 105 |
| ## 639 | 559 | Scraggy | Dark | Fighting | 348 | 50 | 75 |
| ## 640 | 560 | Scrafty | Dark | Fighting | 488 | 65 | 90 |
| ## 641 | 561 | Sigilyph | Psychic | Flying | 490 | 72 | 58 |
| ## 642 | 562 | Yamask | Ghost | | 303 | 38 | 30 |
| ## 643 | 563 | Cofagrirus | Ghost | | 483 | 58 | 50 |
| ## 644 | 564 | Tirtouga | Water | Rock | 355 | 54 | 78 |
| ## 645 | 565 | Carracosta | Water | Rock | 495 | 74 | 108 |
| ## 646 | 566 | Archen | Rock | Flying | 401 | 55 | 112 |

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|--------|-----|------------|----------|----------|-----|-----|-----|
| ## 647 | 567 | Archeops | Rock | Flying | 567 | 75 | 140 |
| ## 648 | 568 | Trubbish | Poison | | 329 | 50 | 50 |
| ## 649 | 569 | Garbodor | Poison | | 474 | 80 | 95 |
| ## 650 | 570 | Zorua | Dark | | 330 | 40 | 65 |
| ## 651 | 571 | Zoroark | Dark | | 510 | 60 | 105 |
| ## 652 | 572 | Minccino | Normal | | 300 | 55 | 50 |
| ## 653 | 573 | Cinccino | Normal | | 470 | 75 | 95 |
| ## 654 | 574 | Gothita | Psychic | | 290 | 45 | 30 |
| ## 655 | 575 | Gothorita | Psychic | | 390 | 60 | 45 |
| ## 656 | 576 | Gothitelle | Psychic | | 490 | 70 | 55 |
| ## 657 | 577 | Solosis | Psychic | | 290 | 45 | 30 |
| ## 658 | 578 | Duosion | Psychic | | 370 | 65 | 40 |
| ## 659 | 579 | Reuniclus | Psychic | | 490 | 110 | 65 |
| ## 660 | 580 | Ducklett | Water | Flying | 305 | 62 | 44 |
| ## 661 | 581 | Swanna | Water | Flying | 473 | 75 | 87 |
| ## 662 | 582 | Vanillite | Ice | | 305 | 36 | 50 |
| ## 663 | 583 | Vanillish | Ice | | 395 | 51 | 65 |
| ## 664 | 584 | Vanilluxe | Ice | | 535 | 71 | 95 |
| ## 665 | 585 | Deerling | Normal | Grass | 335 | 60 | 60 |
| ## 666 | 586 | Sawsbuck | Normal | Grass | 475 | 80 | 100 |
| ## 667 | 587 | Emolga | Electric | Flying | 428 | 55 | 75 |
| ## 668 | 588 | Karrablast | Bug | | 315 | 50 | 75 |
| ## 669 | 589 | Escavalier | Bug | Steel | 495 | 70 | 135 |
| ## 670 | 590 | Foongus | Grass | Poison | 294 | 69 | 55 |
| ## 671 | 591 | Amoonguss | Grass | Poison | 464 | 114 | 85 |
| ## 672 | 592 | Frillish | Water | Ghost | 335 | 55 | 40 |
| ## 673 | 593 | Jellicent | Water | Ghost | 480 | 100 | 60 |
| ## 674 | 594 | Alomomola | Water | | 470 | 165 | 75 |
| ## 675 | 595 | Joltik | Bug | Electric | 319 | 50 | 47 |
| ## 676 | 596 | Galvantula | Bug | Electric | 472 | 70 | 77 |
| ## 677 | 597 | Ferroseed | Grass | Steel | 305 | 44 | 50 |
| ## 678 | 598 | Ferrothorn | Grass | Steel | 489 | 74 | 94 |
| ## 679 | 599 | Klink | Steel | | 300 | 40 | 55 |
| ## 680 | 600 | Klang | Steel | | 440 | 60 | 80 |
| ## 681 | 601 | Klinklang | Steel | | 520 | 60 | 100 |
| ## 682 | 602 | Tynamo | Electric | | 275 | 35 | 55 |
| ## 683 | 603 | Eelektrik | Electric | | 405 | 65 | 85 |
| ## 684 | 604 | Eelektross | Electric | | 515 | 85 | 115 |
| ## 685 | 605 | Elgyem | Psychic | | 335 | 55 | 55 |
| ## 686 | 606 | Beheeyem | Psychic | | 485 | 75 | 75 |
| ## 687 | 607 | Litwick | Ghost | Fire | 275 | 50 | 30 |
| ## 688 | 608 | Lampent | Ghost | Fire | 370 | 60 | 40 |
| ## 689 | 609 | Chandelure | Ghost | Fire | 520 | 60 | 55 |
| ## 690 | 610 | Axew | Dragon | | 320 | 46 | 87 |
| ## 691 | 611 | Fraxure | Dragon | | 410 | 66 | 117 |
| ## 692 | 612 | Haxorus | Dragon | | 540 | 76 | 147 |
| ## 693 | 613 | Cubchoo | Ice | | 305 | 55 | 70 |
| ## 694 | 614 | Beartic | Ice | | 505 | 95 | 130 |
| ## 695 | 615 | Cryogonal | Ice | | 515 | 80 | 50 |
| ## 696 | 616 | Shelmet | Bug | | 305 | 50 | 40 |
| ## 697 | 617 | Accelgor | Bug | | 495 | 80 | 70 |
| ## 698 | 618 | Stunfisk | Ground | Electric | 471 | 109 | 66 |
| ## 699 | 619 | Mienfoo | Fighting | | 350 | 45 | 85 |
| ## 700 | 620 | Mienshao | Fighting | | 510 | 65 | 125 |

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|--------|-----|--------------------------|----------|----------|-----|-----|-----|
| ## 701 | 621 | Druddigon | Dragon | | 485 | 77 | 120 |
| ## 702 | 622 | Golett | Ground | Ghost | 303 | 59 | 74 |
| ## 703 | 623 | Golurk | Ground | Ghost | 483 | 89 | 124 |
| ## 704 | 624 | Pawniard | Dark | Steel | 340 | 45 | 85 |
| ## 705 | 625 | Bisharp | Dark | Steel | 490 | 65 | 125 |
| ## 706 | 626 | Bouffalant | Normal | | 490 | 95 | 110 |
| ## 707 | 627 | Rufflet | Normal | Flying | 350 | 70 | 83 |
| ## 708 | 628 | Braviary | Normal | Flying | 510 | 100 | 123 |
| ## 709 | 629 | Vullaby | Dark | Flying | 370 | 70 | 55 |
| ## 710 | 630 | Mandibuzz | Dark | Flying | 510 | 110 | 65 |
| ## 711 | 631 | Heatmor | Fire | | 484 | 85 | 97 |
| ## 712 | 632 | Durant | Bug | Steel | 484 | 58 | 109 |
| ## 713 | 633 | Deino | Dark | Dragon | 300 | 52 | 65 |
| ## 714 | 634 | Zweilous | Dark | Dragon | 420 | 72 | 85 |
| ## 715 | 635 | Hydreigon | Dark | Dragon | 600 | 92 | 105 |
| ## 716 | 636 | Larvesta | Bug | Fire | 360 | 55 | 85 |
| ## 717 | 637 | Volcarona | Bug | Fire | 550 | 85 | 60 |
| ## 718 | 638 | Cobalion | Steel | Fighting | 580 | 91 | 90 |
| ## 719 | 639 | Terrakion | Rock | Fighting | 580 | 91 | 129 |
| ## 720 | 640 | Virizion | Grass | Fighting | 580 | 91 | 90 |
| ## 721 | 641 | TornadusIncarnate Forme | Flying | | 580 | 79 | 115 |
| ## 722 | 641 | TornadusTherian Forme | Flying | | 580 | 79 | 100 |
| ## 723 | 642 | ThundurusIncarnate Forme | Electric | Flying | 580 | 79 | 115 |
| ## 724 | 642 | ThundurusTherian Forme | Electric | Flying | 580 | 79 | 105 |
| ## 725 | 643 | Reshiram | Dragon | Fire | 680 | 100 | 120 |
| ## 726 | 644 | Zekrom | Dragon | Electric | 680 | 100 | 150 |
| ## 727 | 645 | LandorusIncarnate Forme | Ground | Flying | 600 | 89 | 125 |
| ## 728 | 645 | LandorusTherian Forme | Ground | Flying | 600 | 89 | 145 |
| ## 729 | 646 | Kyurem | Dragon | Ice | 660 | 125 | 130 |
| ## 730 | 646 | KyuremBlack Kyurem | Dragon | Ice | 700 | 125 | 170 |
| ## 731 | 646 | KyuremWhite Kyurem | Dragon | Ice | 700 | 125 | 120 |
| ## 732 | 647 | KeldeoOrdinary Forme | Water | Fighting | 580 | 91 | 72 |
| ## 733 | 647 | KeldeoResolute Forme | Water | Fighting | 580 | 91 | 72 |
| ## 734 | 648 | MeloettaAria Forme | Normal | Psychic | 600 | 100 | 77 |
| ## 735 | 648 | MeloettaPirouette Forme | Normal | Fighting | 600 | 100 | 128 |
| ## 736 | 649 | Genesect | Bug | Steel | 600 | 71 | 120 |
| ## 737 | 650 | Chespin | Grass | | 313 | 56 | 61 |
| ## 738 | 651 | Quilladin | Grass | | 405 | 61 | 78 |
| ## 739 | 652 | Chesnaught | Grass | Fighting | 530 | 88 | 107 |
| ## 740 | 653 | Fennekin | Fire | | 307 | 40 | 45 |
| ## 741 | 654 | Braixen | Fire | | 409 | 59 | 59 |
| ## 742 | 655 | Delphox | Fire | Psychic | 534 | 75 | 69 |
| ## 743 | 656 | Froakie | Water | | 314 | 41 | 56 |
| ## 744 | 657 | Frogadier | Water | | 405 | 54 | 63 |
| ## 745 | 658 | Greninja | Water | Dark | 530 | 72 | 95 |
| ## 746 | 658 | GreninjaAsh-Greninja | Water | Dark | 640 | 72 | 145 |
| ## 747 | 659 | Bunnelby | Normal | | 237 | 38 | 36 |
| ## 748 | 660 | Diggersby | Normal | Ground | 423 | 85 | 56 |
| ## 749 | 661 | Fletchling | Normal | Flying | 278 | 45 | 50 |
| ## 750 | 662 | Fletchinder | Fire | Flying | 382 | 62 | 73 |
| ## 751 | 663 | Talonflame | Fire | Flying | 499 | 78 | 81 |
| ## 752 | 664 | Scatterbug | Bug | | 200 | 38 | 35 |
| ## 753 | 665 | Spewpa | Bug | | 213 | 45 | 22 |
| ## 754 | 666 | Vivillon | Bug | Flying | 411 | 80 | 52 |

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|------------|-----------------------|----------|---------|-----|-----|-----|
| ## 755 667 | Litleo | Fire | Normal | 369 | 62 | 50 |
| ## 756 668 | Pyroar | Fire | Normal | 507 | 86 | 68 |
| ## 757 669 | FlabÃ©bÃ© | Fairy | | 303 | 44 | 38 |
| ## 758 670 | Floette | Fairy | | 371 | 54 | 45 |
| ## 759 671 | Florges | Fairy | | 552 | 78 | 65 |
| ## 760 672 | Skiddo | Grass | | 350 | 66 | 65 |
| ## 761 673 | Gogoat | Grass | | 531 | 123 | 100 |
| ## 762 674 | Pancham | Fighting | | 348 | 67 | 82 |
| ## 763 675 | Pangoro | Fighting | Dark | 495 | 95 | 124 |
| ## 764 676 | Furfrou | Normal | | 472 | 75 | 80 |
| ## 765 677 | Espurr | Psychic | | 355 | 62 | 48 |
| ## 766 678 | MeowsticMale | Psychic | | 466 | 74 | 48 |
| ## 767 678 | MeowsticFemale | Psychic | | 466 | 74 | 48 |
| ## 768 679 | Honedge | Steel | Ghost | 325 | 45 | 80 |
| ## 769 680 | Doublade | Steel | Ghost | 448 | 59 | 110 |
| ## 770 681 | AegislashBlade Forme | Steel | Ghost | 520 | 60 | 150 |
| ## 771 681 | AegislashShield Forme | Steel | Ghost | 520 | 60 | 50 |
| ## 772 682 | Spritzee | Fairy | | 341 | 78 | 52 |
| ## 773 683 | Aromatisse | Fairy | | 462 | 101 | 72 |
| ## 774 684 | Swirlix | Fairy | | 341 | 62 | 48 |
| ## 775 685 | Slurpuff | Fairy | | 480 | 82 | 80 |
| ## 776 686 | Inkay | Dark | Psychic | 288 | 53 | 54 |
| ## 777 687 | Malamar | Dark | Psychic | 482 | 86 | 92 |
| ## 778 688 | Binacle | Rock | Water | 306 | 42 | 52 |
| ## 779 689 | Barbaracle | Rock | Water | 500 | 72 | 105 |
| ## 780 690 | Skrelep | Poison | Water | 320 | 50 | 60 |
| ## 781 691 | Dragalge | Poison | Dragon | 494 | 65 | 75 |
| ## 782 692 | Clauncher | Water | | 330 | 50 | 53 |
| ## 783 693 | Clawitzer | Water | | 500 | 71 | 73 |
| ## 784 694 | Helioptile | Electric | Normal | 289 | 44 | 38 |
| ## 785 695 | Heliolisk | Electric | Normal | 481 | 62 | 55 |
| ## 786 696 | Tyrunt | Rock | Dragon | 362 | 58 | 89 |
| ## 787 697 | Tyrantrum | Rock | Dragon | 521 | 82 | 121 |
| ## 788 698 | Amaura | Rock | Ice | 362 | 77 | 59 |
| ## 789 699 | Aurorus | Rock | Ice | 521 | 123 | 77 |
| ## 790 700 | Sylveon | Fairy | | 525 | 95 | 65 |
| ## 791 701 | Hawlucha | Fighting | Flying | 500 | 78 | 92 |
| ## 792 702 | Dedenne | Electric | Fairy | 431 | 67 | 58 |
| ## 793 703 | Carbink | Rock | Fairy | 500 | 50 | 50 |
| ## 794 704 | Goomy | Dragon | | 300 | 45 | 50 |
| ## 795 705 | Sliggoo | Dragon | | 452 | 68 | 75 |
| ## 796 706 | Goodra | Dragon | | 600 | 90 | 100 |
| ## 797 707 | Klefki | Steel | Fairy | 470 | 57 | 80 |
| ## 798 708 | Phantump | Ghost | Grass | 309 | 43 | 70 |
| ## 799 709 | Trevenant | Ghost | Grass | 474 | 85 | 110 |
| ## 800 710 | PumpkabooAverage Size | Ghost | Grass | 335 | 49 | 66 |
| ## 801 710 | PumpkabooSmall Size | Ghost | Grass | 335 | 44 | 66 |
| ## 802 710 | PumpkabooLarge Size | Ghost | Grass | 335 | 54 | 66 |
| ## 803 710 | PumpkabooSuper Size | Ghost | Grass | 335 | 59 | 66 |
| ## 804 711 | GourgeistAverage Size | Ghost | Grass | 494 | 65 | 90 |
| ## 805 711 | GourgeistSmall Size | Ghost | Grass | 494 | 55 | 85 |
| ## 806 711 | GourgeistLarge Size | Ghost | Grass | 494 | 75 | 95 |
| ## 807 711 | GourgeistSuper Size | Ghost | Grass | 494 | 85 | 100 |
| ## 808 712 | Bergmite | Ice | | 304 | 55 | 69 |

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|--------|-----|-----------------------|----------|----------|-----|-----|-----|
| ## 809 | 713 | Avalugg | Ice | | 514 | 95 | 117 |
| ## 810 | 714 | Noibat | Flying | Dragon | 245 | 40 | 30 |
| ## 811 | 715 | Noivern | Flying | Dragon | 535 | 85 | 70 |
| ## 812 | 716 | Xerneas | Fairy | | 680 | 126 | 131 |
| ## 813 | 717 | Yveltal | Dark | Flying | 680 | 126 | 131 |
| ## 814 | 718 | Zygarde50% Forme | Dragon | Ground | 600 | 108 | 100 |
| ## 815 | 718 | Zygarde10% Forme | Dragon | Ground | 486 | 54 | 100 |
| ## 816 | 718 | ZygardeComplete Forme | Dragon | Ground | 708 | 216 | 100 |
| ## 817 | 719 | Diancie | Rock | Fairy | 600 | 50 | 100 |
| ## 818 | 719 | DiancieMega Diancie | Rock | Fairy | 700 | 50 | 160 |
| ## 819 | 720 | HoopaHoopa Confined | Psychic | Ghost | 600 | 80 | 110 |
| ## 820 | 720 | HoopaHoopa Unbound | Psychic | Dark | 680 | 80 | 160 |
| ## 821 | 721 | Volcanion | Fire | Water | 600 | 80 | 110 |
| ## 822 | 722 | Rowlet | Grass | Flying | 320 | 68 | 55 |
| ## 823 | 723 | Dartrix | Grass | Flying | 420 | 78 | 75 |
| ## 824 | 724 | Decidueye | Grass | Ghost | 530 | 78 | 107 |
| ## 825 | 725 | Litten | Fire | | 320 | 45 | 65 |
| ## 826 | 726 | Torracat | Fire | | 420 | 65 | 85 |
| ## 827 | 727 | Incineroar | Fire | Dark | 530 | 95 | 115 |
| ## 828 | 728 | Popplio | Water | | 320 | 50 | 54 |
| ## 829 | 729 | Brionne | Water | | 420 | 60 | 69 |
| ## 830 | 730 | Primarina | Water | Fairy | 530 | 80 | 74 |
| ## 831 | 731 | Pikipek | Normal | Flying | 265 | 35 | 75 |
| ## 832 | 732 | Trumbeak | Normal | Flying | 355 | 55 | 85 |
| ## 833 | 733 | Toucannon | Normal | Flying | 485 | 80 | 120 |
| ## 834 | 734 | Yungoos | Normal | | 253 | 48 | 70 |
| ## 835 | 735 | Gumshoos | Normal | | 418 | 88 | 110 |
| ## 836 | 736 | Grubbin | Bug | | 300 | 47 | 62 |
| ## 837 | 737 | Charjabug | Bug | Electric | 400 | 57 | 82 |
| ## 838 | 738 | Vikavolt | Bug | Electric | 500 | 77 | 70 |
| ## 839 | 739 | Crabrawler | Fighting | | 338 | 47 | 82 |
| ## 840 | 740 | Crabominable | Fighting | Ice | 478 | 97 | 132 |
| ## 841 | 741 | OricorioBaile Style | Fire | Flying | 476 | 75 | 70 |
| ## 842 | 741 | OricorioPom-Pom Style | Electric | Flying | 476 | 75 | 70 |
| ## 843 | 741 | OricorioPa'u Style | Psychic | Flying | 476 | 75 | 70 |
| ## 844 | 741 | OricorioSensu Style | Ghost | Flying | 476 | 75 | 70 |
| ## 845 | 742 | Cutiefly | Bug | Fairy | 304 | 40 | 45 |
| ## 846 | 743 | Ribombee | Bug | Fairy | 464 | 60 | 55 |
| ## 847 | 744 | Rockruff | Rock | | 280 | 45 | 65 |
| ## 848 | 745 | LycanrocMidday Form | Rock | | 487 | 75 | 115 |
| ## 849 | 745 | LycanrocMidnight Form | Rock | | 487 | 85 | 115 |
| ## 850 | 745 | LycanrocDusk Form | Rock | | 487 | 75 | 117 |
| ## 851 | 746 | WishiwashiSolo Form | Water | | 175 | 45 | 20 |
| ## 852 | 746 | WishiwashiSchool Form | Water | | 620 | 45 | 140 |
| ## 853 | 747 | Mareanie | Poison | Water | 305 | 50 | 53 |
| ## 854 | 748 | Toxapex | Poison | Water | 495 | 50 | 63 |
| ## 855 | 749 | Mudbray | Ground | | 385 | 70 | 100 |
| ## 856 | 750 | Mudsdale | Ground | | 500 | 100 | 125 |
| ## 857 | 751 | Dewpider | Water | Bug | 269 | 38 | 40 |
| ## 858 | 752 | Araquanid | Water | Bug | 454 | 68 | 70 |
| ## 859 | 753 | Fomantis | Grass | | 250 | 40 | 55 |
| ## 860 | 754 | Lurantis | Grass | | 480 | 70 | 105 |
| ## 861 | 755 | Morelull | Grass | Fairy | 285 | 40 | 35 |
| ## 862 | 756 | Shiinotic | Grass | Fairy | 405 | 60 | 45 |

| | | | | | | | | | |
|--------|-----|---------------|-------------|----------|----------|--------|-----|-----|-----|
| ## 863 | 757 | | Salandit | Poison | Fire | 320 | 48 | 44 | |
| ## 864 | 758 | | Salazzle | Poison | Fire | 480 | 68 | 64 | |
| ## 865 | 759 | | Stufful | Normal | Fighting | 340 | 70 | 75 | |
| ## 866 | 760 | | Bewear | Normal | Fighting | 500 | 120 | 125 | |
| ## 867 | 761 | | Bounsweet | Grass | | 210 | 42 | 30 | |
| ## 868 | 762 | | Steenee | Grass | | 290 | 52 | 40 | |
| ## 869 | 763 | | Tsareena | Grass | | 510 | 72 | 120 | |
| ## 870 | 764 | | Comfey | Fairy | | 485 | 51 | 52 | |
| ## 871 | 765 | | Oranguru | Normal | Psychic | 490 | 90 | 60 | |
| ## 872 | 766 | | Passimian | Fighting | | 490 | 100 | 120 | |
| ## 873 | 767 | | Wimpod | Bug | Water | 230 | 25 | 35 | |
| ## 874 | 768 | | Golisopod | Bug | Water | 530 | 75 | 125 | |
| ## 875 | 769 | | Sandygast | Ghost | Ground | 320 | 55 | 55 | |
| ## 876 | 770 | | Palossand | Ghost | Ground | 480 | 85 | 75 | |
| ## 877 | 771 | | Pyukumuku | Water | | 410 | 55 | 60 | |
| ## 878 | 772 | | Type: Null | Normal | | 534 | 95 | 95 | |
| ## 879 | 773 | | Silvally | Normal | | 570 | 95 | 95 | |
| ## 880 | 774 | MiniorMeteor | Form | Rock | Flying | 440 | 60 | 60 | |
| ## 881 | 774 | MiniorCore | Form | Rock | Flying | 500 | 60 | 100 | |
| ## 882 | 775 | | Komala | Normal | | 480 | 65 | 115 | |
| ## 883 | 776 | | Turtonator | Fire | Dragon | 485 | 60 | 78 | |
| ## 884 | 777 | | Togedemaru | Electric | Steel | 435 | 65 | 98 | |
| ## 885 | 778 | | Mimikyu | Ghost | Fairy | 476 | 55 | 90 | |
| ## 886 | 779 | | Bruxish | Water | Psychic | 475 | 68 | 105 | |
| ## 887 | 780 | | Drampa | Normal | Dragon | 485 | 78 | 60 | |
| ## 888 | 781 | | Dhelmise | Ghost | Grass | 517 | 70 | 131 | |
| ## 889 | 782 | | Jangmo-o | Dragon | | 300 | 45 | 55 | |
| ## 890 | 783 | | Hakamo-o | Dragon | Fighting | 420 | 55 | 75 | |
| ## 891 | 784 | | Kommo-o | Dragon | Fighting | 600 | 75 | 110 | |
| ## 892 | 785 | | Tapu Koko | Electric | Fairy | 570 | 70 | 115 | |
| ## 893 | 786 | | Tapu Lele | Psychic | Fairy | 570 | 70 | 85 | |
| ## 894 | 787 | | Tapu Bulu | Grass | Fairy | 570 | 70 | 130 | |
| ## 895 | 788 | | Tapu Fini | Water | Fairy | 570 | 70 | 75 | |
| ## 896 | 789 | | Cosmog | Psychic | | 200 | 43 | 29 | |
| ## 897 | 790 | | Cosmoem | Psychic | | 400 | 43 | 29 | |
| ## 898 | 791 | | Solgaleo | Psychic | Steel | 680 | 137 | 137 | |
| ## 899 | 792 | | Lunala | Psychic | Ghost | 680 | 137 | 113 | |
| ## 900 | 793 | | Nihilego | Rock | Poison | 570 | 109 | 53 | |
| ## 901 | 794 | | Buzzwole | Bug | Fighting | 570 | 107 | 139 | |
| ## 902 | 795 | | Pheromosa | Bug | Fighting | 570 | 71 | 137 | |
| ## 903 | 796 | | Xurkitree | Electric | | 570 | 83 | 89 | |
| ## 904 | 797 | | Celesteela | Steel | Flying | 570 | 97 | 101 | |
| ## 905 | 798 | | Kartana | Grass | Steel | 570 | 59 | 181 | |
| ## 906 | 799 | | Guzzlord | Dark | Dragon | 570 | 223 | 101 | |
| ## 907 | 800 | | Necrozma | Psychic | | 600 | 97 | 107 | |
| ## 908 | 800 | NecrozmaDusk | Mane | Necrozma | Psychic | Steel | 680 | 97 | 157 |
| ## 909 | 800 | NecrozmaDawn | Wings | Necrozma | Psychic | Ghost | 680 | 97 | 113 |
| ## 910 | 800 | NecrozmaUltra | | Necrozma | Psychic | Dragon | 754 | 97 | 167 |
| ## 911 | 801 | | Magearna | Steel | Fairy | 600 | 80 | 95 | |
| ## 912 | 802 | | Marshadow | Fighting | Ghost | 600 | 90 | 125 | |
| ## 913 | 803 | | Poipole | Poison | | 420 | 67 | 73 | |
| ## 914 | 804 | | Naganadel | Poison | Dragon | 540 | 73 | 73 | |
| ## 915 | 805 | | Stakataka | Rock | Steel | 570 | 61 | 131 | |
| ## 916 | 806 | | Blacephalon | Fire | Ghost | 570 | 53 | 127 | |

| ## 917 807 | | Zeraora Electric | | | 600 | 88 | 112 |
|------------|---------|------------------|---------|-------|-----|----|-----|
| ## | Defense | Sp..Atk | Sp..Def | Speed | | | |
| ## 1 | 49 | 65 | 65 | 45 | | | |
| ## 2 | 63 | 80 | 80 | 60 | | | |
| ## 3 | 83 | 100 | 100 | 80 | | | |
| ## 4 | 123 | 122 | 120 | 80 | | | |
| ## 5 | 43 | 60 | 50 | 65 | | | |
| ## 6 | 58 | 80 | 65 | 80 | | | |
| ## 7 | 78 | 109 | 85 | 100 | | | |
| ## 8 | 111 | 130 | 85 | 100 | | | |
| ## 9 | 78 | 159 | 115 | 100 | | | |
| ## 10 | 65 | 50 | 64 | 43 | | | |
| ## 11 | 80 | 65 | 80 | 58 | | | |
| ## 12 | 100 | 85 | 105 | 78 | | | |
| ## 13 | 120 | 135 | 115 | 78 | | | |
| ## 14 | 35 | 20 | 20 | 45 | | | |
| ## 15 | 55 | 25 | 25 | 30 | | | |
| ## 16 | 50 | 90 | 80 | 70 | | | |
| ## 17 | 30 | 20 | 20 | 50 | | | |
| ## 18 | 50 | 25 | 25 | 35 | | | |
| ## 19 | 40 | 45 | 80 | 75 | | | |
| ## 20 | 40 | 15 | 80 | 145 | | | |
| ## 21 | 40 | 35 | 35 | 56 | | | |
| ## 22 | 55 | 50 | 50 | 71 | | | |
| ## 23 | 75 | 70 | 70 | 101 | | | |
| ## 24 | 80 | 135 | 80 | 121 | | | |
| ## 25 | 35 | 25 | 35 | 72 | | | |
| ## 26 | 35 | 25 | 35 | 72 | | | |
| ## 27 | 60 | 50 | 70 | 97 | | | |
| ## 28 | 70 | 40 | 80 | 77 | | | |
| ## 29 | 30 | 31 | 31 | 70 | | | |
| ## 30 | 65 | 61 | 61 | 100 | | | |
| ## 31 | 44 | 40 | 54 | 55 | | | |
| ## 32 | 69 | 65 | 79 | 80 | | | |
| ## 33 | 40 | 50 | 50 | 90 | | | |
| ## 34 | 55 | 90 | 80 | 110 | | | |
| ## 35 | 50 | 95 | 85 | 110 | | | |
| ## 36 | 85 | 20 | 30 | 40 | | | |
| ## 37 | 90 | 10 | 35 | 40 | | | |
| ## 38 | 110 | 45 | 55 | 65 | | | |
| ## 39 | 120 | 25 | 65 | 65 | | | |
| ## 40 | 52 | 40 | 40 | 41 | | | |
| ## 41 | 67 | 55 | 55 | 56 | | | |
| ## 42 | 87 | 75 | 85 | 76 | | | |
| ## 43 | 40 | 40 | 40 | 50 | | | |
| ## 44 | 57 | 55 | 55 | 65 | | | |
| ## 45 | 77 | 85 | 75 | 85 | | | |
| ## 46 | 48 | 60 | 65 | 35 | | | |
| ## 47 | 73 | 95 | 90 | 60 | | | |
| ## 48 | 40 | 50 | 65 | 65 | | | |
| ## 49 | 40 | 50 | 65 | 65 | | | |
| ## 50 | 75 | 81 | 100 | 100 | | | |
| ## 51 | 75 | 81 | 100 | 109 | | | |
| ## 52 | 20 | 45 | 25 | 20 | | | |

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|--------|-----|-----|-----|-----|
| ## 53 | 45 | 85 | 50 | 45 |
| ## 54 | 35 | 30 | 40 | 55 |
| ## 55 | 70 | 65 | 75 | 90 |
| ## 56 | 55 | 75 | 65 | 30 |
| ## 57 | 70 | 85 | 75 | 40 |
| ## 58 | 85 | 110 | 90 | 50 |
| ## 59 | 55 | 45 | 55 | 25 |
| ## 60 | 80 | 60 | 80 | 30 |
| ## 61 | 50 | 40 | 55 | 45 |
| ## 62 | 60 | 90 | 75 | 90 |
| ## 63 | 25 | 35 | 45 | 95 |
| ## 64 | 30 | 35 | 45 | 90 |
| ## 65 | 50 | 50 | 70 | 120 |
| ## 66 | 60 | 50 | 70 | 110 |
| ## 67 | 35 | 40 | 40 | 90 |
| ## 68 | 35 | 50 | 40 | 90 |
| ## 69 | 60 | 65 | 65 | 115 |
| ## 70 | 60 | 75 | 65 | 115 |
| ## 71 | 48 | 65 | 50 | 55 |
| ## 72 | 78 | 95 | 80 | 85 |
| ## 73 | 35 | 35 | 45 | 70 |
| ## 74 | 60 | 60 | 70 | 95 |
| ## 75 | 45 | 70 | 50 | 60 |
| ## 76 | 80 | 100 | 80 | 95 |
| ## 77 | 40 | 40 | 40 | 90 |
| ## 78 | 65 | 50 | 50 | 90 |
| ## 79 | 95 | 70 | 90 | 70 |
| ## 80 | 15 | 105 | 55 | 90 |
| ## 81 | 30 | 120 | 70 | 105 |
| ## 82 | 45 | 135 | 95 | 120 |
| ## 83 | 65 | 175 | 105 | 150 |
| ## 84 | 50 | 35 | 35 | 35 |
| ## 85 | 70 | 50 | 60 | 45 |
| ## 86 | 80 | 65 | 85 | 55 |
| ## 87 | 35 | 70 | 30 | 40 |
| ## 88 | 50 | 85 | 45 | 55 |
| ## 89 | 65 | 100 | 70 | 70 |
| ## 90 | 35 | 50 | 100 | 70 |
| ## 91 | 65 | 80 | 120 | 100 |
| ## 92 | 100 | 30 | 30 | 20 |
| ## 93 | 100 | 30 | 30 | 20 |
| ## 94 | 115 | 45 | 45 | 35 |
| ## 95 | 115 | 45 | 45 | 35 |
| ## 96 | 130 | 55 | 65 | 45 |
| ## 97 | 130 | 55 | 65 | 45 |
| ## 98 | 55 | 65 | 65 | 90 |
| ## 99 | 70 | 80 | 80 | 105 |
| ## 100 | 65 | 40 | 40 | 15 |
| ## 101 | 110 | 100 | 80 | 30 |
| ## 102 | 180 | 130 | 80 | 30 |
| ## 103 | 70 | 95 | 55 | 45 |
| ## 104 | 95 | 120 | 70 | 70 |
| ## 105 | 55 | 58 | 62 | 60 |
| ## 106 | 45 | 35 | 35 | 75 |

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|--------|-----|-----|-----|-----|
| ## 107 | 70 | 60 | 60 | 110 |
| ## 108 | 55 | 45 | 70 | 45 |
| ## 109 | 80 | 70 | 95 | 70 |
| ## 110 | 50 | 40 | 50 | 25 |
| ## 111 | 50 | 40 | 50 | 25 |
| ## 112 | 75 | 65 | 100 | 50 |
| ## 113 | 75 | 65 | 100 | 50 |
| ## 114 | 100 | 45 | 25 | 40 |
| ## 115 | 180 | 85 | 45 | 70 |
| ## 116 | 30 | 100 | 35 | 80 |
| ## 117 | 45 | 115 | 55 | 95 |
| ## 118 | 60 | 130 | 75 | 110 |
| ## 119 | 80 | 170 | 95 | 130 |
| ## 120 | 160 | 30 | 45 | 70 |
| ## 121 | 45 | 43 | 90 | 42 |
| ## 122 | 70 | 73 | 115 | 67 |
| ## 123 | 90 | 25 | 25 | 50 |
| ## 124 | 115 | 50 | 50 | 75 |
| ## 125 | 50 | 55 | 55 | 100 |
| ## 126 | 70 | 80 | 80 | 150 |
| ## 127 | 80 | 60 | 45 | 40 |
| ## 128 | 85 | 125 | 75 | 55 |
| ## 129 | 85 | 125 | 75 | 45 |
| ## 130 | 95 | 40 | 50 | 35 |
| ## 131 | 110 | 50 | 80 | 45 |
| ## 132 | 110 | 50 | 80 | 45 |
| ## 133 | 53 | 35 | 110 | 87 |
| ## 134 | 79 | 35 | 110 | 76 |
| ## 135 | 75 | 60 | 75 | 30 |
| ## 136 | 95 | 60 | 45 | 35 |
| ## 137 | 120 | 85 | 70 | 60 |
| ## 138 | 95 | 30 | 30 | 25 |
| ## 139 | 120 | 45 | 45 | 40 |
| ## 140 | 5 | 35 | 105 | 50 |
| ## 141 | 115 | 100 | 40 | 60 |
| ## 142 | 80 | 40 | 80 | 90 |
| ## 143 | 100 | 60 | 100 | 100 |
| ## 144 | 70 | 70 | 25 | 60 |
| ## 145 | 95 | 95 | 45 | 85 |
| ## 146 | 60 | 35 | 50 | 63 |
| ## 147 | 65 | 65 | 80 | 68 |
| ## 148 | 55 | 70 | 55 | 85 |
| ## 149 | 85 | 100 | 85 | 115 |
| ## 150 | 65 | 100 | 120 | 90 |
| ## 151 | 80 | 55 | 80 | 105 |
| ## 152 | 35 | 115 | 95 | 95 |
| ## 153 | 57 | 95 | 85 | 105 |
| ## 154 | 57 | 100 | 85 | 93 |
| ## 155 | 100 | 55 | 70 | 85 |
| ## 156 | 120 | 65 | 90 | 105 |
| ## 157 | 95 | 40 | 70 | 110 |
| ## 158 | 55 | 15 | 20 | 80 |
| ## 159 | 79 | 60 | 100 | 81 |
| ## 160 | 109 | 70 | 130 | 81 |

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|--------|-----|-----|-----|-----|
| ## 161 | 80 | 85 | 95 | 60 |
| ## 162 | 48 | 48 | 48 | 48 |
| ## 163 | 50 | 45 | 65 | 55 |
| ## 164 | 60 | 110 | 95 | 65 |
| ## 165 | 60 | 110 | 95 | 130 |
| ## 166 | 60 | 95 | 110 | 65 |
| ## 167 | 70 | 85 | 75 | 40 |
| ## 168 | 100 | 90 | 55 | 35 |
| ## 169 | 125 | 115 | 70 | 55 |
| ## 170 | 90 | 55 | 45 | 55 |
| ## 171 | 105 | 65 | 70 | 80 |
| ## 172 | 65 | 60 | 75 | 130 |
| ## 173 | 85 | 70 | 95 | 150 |
| ## 174 | 65 | 65 | 110 | 30 |
| ## 175 | 100 | 95 | 125 | 85 |
| ## 176 | 85 | 125 | 90 | 100 |
| ## 177 | 90 | 125 | 85 | 90 |
| ## 178 | 45 | 50 | 50 | 50 |
| ## 179 | 65 | 70 | 70 | 70 |
| ## 180 | 95 | 100 | 100 | 80 |
| ## 181 | 90 | 154 | 90 | 130 |
| ## 182 | 100 | 154 | 100 | 130 |
| ## 183 | 70 | 194 | 120 | 140 |
| ## 184 | 100 | 100 | 100 | 100 |
| ## 185 | 65 | 49 | 65 | 45 |
| ## 186 | 80 | 63 | 80 | 60 |
| ## 187 | 100 | 83 | 100 | 80 |
| ## 188 | 43 | 60 | 50 | 65 |
| ## 189 | 58 | 80 | 65 | 80 |
| ## 190 | 78 | 109 | 85 | 100 |
| ## 191 | 64 | 44 | 48 | 43 |
| ## 192 | 80 | 59 | 63 | 58 |
| ## 193 | 100 | 79 | 83 | 78 |
| ## 194 | 34 | 35 | 45 | 20 |
| ## 195 | 64 | 45 | 55 | 90 |
| ## 196 | 30 | 36 | 56 | 50 |
| ## 197 | 50 | 86 | 96 | 70 |
| ## 198 | 30 | 40 | 80 | 55 |
| ## 199 | 50 | 55 | 110 | 85 |
| ## 200 | 40 | 40 | 40 | 30 |
| ## 201 | 70 | 60 | 70 | 40 |
| ## 202 | 80 | 70 | 80 | 130 |
| ## 203 | 38 | 56 | 56 | 67 |
| ## 204 | 58 | 76 | 76 | 67 |
| ## 205 | 15 | 35 | 35 | 60 |
| ## 206 | 28 | 45 | 55 | 15 |
| ## 207 | 15 | 40 | 20 | 15 |
| ## 208 | 65 | 40 | 65 | 20 |
| ## 209 | 85 | 80 | 105 | 40 |
| ## 210 | 45 | 70 | 45 | 70 |
| ## 211 | 70 | 95 | 70 | 95 |
| ## 212 | 40 | 65 | 45 | 35 |
| ## 213 | 55 | 80 | 60 | 45 |
| ## 214 | 85 | 115 | 90 | 55 |

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|--------|-----|-----|-----|-----|
| ## 215 | 105 | 165 | 110 | 45 |
| ## 216 | 95 | 90 | 100 | 50 |
| ## 217 | 50 | 20 | 50 | 40 |
| ## 218 | 80 | 60 | 80 | 50 |
| ## 219 | 115 | 30 | 65 | 30 |
| ## 220 | 75 | 90 | 100 | 70 |
| ## 221 | 40 | 35 | 55 | 50 |
| ## 222 | 50 | 45 | 65 | 80 |
| ## 223 | 70 | 55 | 95 | 110 |
| ## 224 | 55 | 40 | 55 | 85 |
| ## 225 | 30 | 30 | 30 | 30 |
| ## 226 | 55 | 105 | 85 | 30 |
| ## 227 | 45 | 75 | 45 | 95 |
| ## 228 | 45 | 25 | 25 | 15 |
| ## 229 | 85 | 65 | 65 | 35 |
| ## 230 | 60 | 130 | 95 | 110 |
| ## 231 | 110 | 60 | 130 | 65 |
| ## 232 | 42 | 85 | 42 | 91 |
| ## 233 | 80 | 100 | 110 | 30 |
| ## 234 | 60 | 85 | 85 | 85 |
| ## 235 | 48 | 72 | 48 | 48 |
| ## 236 | 58 | 33 | 58 | 33 |
| ## 237 | 65 | 90 | 65 | 85 |
| ## 238 | 90 | 35 | 35 | 15 |
| ## 239 | 140 | 60 | 60 | 40 |
| ## 240 | 70 | 65 | 65 | 45 |
| ## 241 | 105 | 35 | 65 | 85 |
| ## 242 | 200 | 55 | 65 | 30 |
| ## 243 | 230 | 55 | 95 | 30 |
| ## 244 | 50 | 40 | 40 | 30 |
| ## 245 | 75 | 60 | 60 | 45 |
| ## 246 | 85 | 55 | 55 | 85 |
| ## 247 | 100 | 55 | 80 | 65 |
| ## 248 | 140 | 65 | 100 | 75 |
| ## 249 | 230 | 10 | 230 | 5 |
| ## 250 | 75 | 40 | 95 | 85 |
| ## 251 | 115 | 40 | 105 | 75 |
| ## 252 | 55 | 35 | 75 | 115 |
| ## 253 | 50 | 50 | 50 | 40 |
| ## 254 | 75 | 75 | 75 | 55 |
| ## 255 | 40 | 70 | 40 | 20 |
| ## 256 | 120 | 90 | 80 | 30 |
| ## 257 | 40 | 30 | 30 | 50 |
| ## 258 | 80 | 60 | 60 | 50 |
| ## 259 | 95 | 65 | 95 | 35 |
| ## 260 | 35 | 65 | 35 | 65 |
| ## 261 | 75 | 105 | 75 | 45 |
| ## 262 | 45 | 65 | 45 | 75 |
| ## 263 | 70 | 80 | 140 | 70 |
| ## 264 | 140 | 40 | 70 | 70 |
| ## 265 | 30 | 80 | 50 | 65 |
| ## 266 | 50 | 110 | 80 | 95 |
| ## 267 | 90 | 140 | 90 | 115 |
| ## 268 | 95 | 95 | 95 | 85 |

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|--------|-----|-----|-----|-----|
| ## 269 | 60 | 40 | 40 | 40 |
| ## 270 | 120 | 60 | 60 | 50 |
| ## 271 | 90 | 105 | 95 | 60 |
| ## 272 | 62 | 85 | 65 | 85 |
| ## 273 | 35 | 20 | 45 | 75 |
| ## 274 | 35 | 35 | 35 | 35 |
| ## 275 | 95 | 35 | 110 | 70 |
| ## 276 | 15 | 85 | 65 | 65 |
| ## 277 | 37 | 65 | 55 | 95 |
| ## 278 | 37 | 70 | 55 | 83 |
| ## 279 | 105 | 40 | 70 | 100 |
| ## 280 | 10 | 75 | 135 | 55 |
| ## 281 | 75 | 115 | 100 | 115 |
| ## 282 | 85 | 90 | 75 | 100 |
| ## 283 | 115 | 90 | 115 | 85 |
| ## 284 | 50 | 45 | 50 | 41 |
| ## 285 | 70 | 65 | 70 | 51 |
| ## 286 | 110 | 95 | 100 | 61 |
| ## 287 | 150 | 95 | 120 | 71 |
| ## 288 | 130 | 90 | 154 | 110 |
| ## 289 | 90 | 110 | 154 | 90 |
| ## 290 | 100 | 100 | 100 | 100 |
| ## 291 | 35 | 65 | 55 | 70 |
| ## 292 | 45 | 85 | 65 | 95 |
| ## 293 | 65 | 105 | 85 | 120 |
| ## 294 | 75 | 145 | 85 | 145 |
| ## 295 | 40 | 70 | 50 | 45 |
| ## 296 | 60 | 85 | 60 | 55 |
| ## 297 | 70 | 110 | 70 | 80 |
| ## 298 | 80 | 130 | 80 | 100 |
| ## 299 | 50 | 50 | 50 | 40 |
| ## 300 | 70 | 60 | 70 | 50 |
| ## 301 | 90 | 85 | 90 | 60 |
| ## 302 | 110 | 95 | 110 | 70 |
| ## 303 | 35 | 30 | 30 | 35 |
| ## 304 | 70 | 60 | 60 | 70 |
| ## 305 | 41 | 30 | 41 | 60 |
| ## 306 | 61 | 50 | 61 | 100 |
| ## 307 | 35 | 20 | 30 | 20 |
| ## 308 | 55 | 25 | 25 | 15 |
| ## 309 | 50 | 100 | 50 | 65 |
| ## 310 | 55 | 25 | 25 | 15 |
| ## 311 | 70 | 50 | 90 | 65 |
| ## 312 | 30 | 40 | 50 | 30 |
| ## 313 | 50 | 60 | 70 | 50 |
| ## 314 | 70 | 90 | 100 | 70 |
| ## 315 | 50 | 30 | 30 | 30 |
| ## 316 | 40 | 60 | 40 | 60 |
| ## 317 | 60 | 90 | 60 | 80 |
| ## 318 | 30 | 30 | 30 | 85 |
| ## 319 | 60 | 75 | 50 | 125 |
| ## 320 | 30 | 55 | 30 | 85 |
| ## 321 | 100 | 95 | 70 | 65 |
| ## 322 | 25 | 45 | 35 | 40 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 323 | 35 | 65 | 55 | 50 |
| ## 324 | 65 | 125 | 115 | 80 |
| ## 325 | 65 | 165 | 135 | 100 |
| ## 326 | 32 | 50 | 52 | 65 |
| ## 327 | 62 | 100 | 82 | 80 |
| ## 328 | 60 | 40 | 60 | 35 |
| ## 329 | 80 | 60 | 60 | 70 |
| ## 330 | 60 | 35 | 35 | 30 |
| ## 331 | 80 | 55 | 55 | 90 |
| ## 332 | 100 | 95 | 65 | 100 |
| ## 333 | 90 | 30 | 30 | 40 |
| ## 334 | 45 | 50 | 50 | 160 |
| ## 335 | 45 | 30 | 30 | 40 |
| ## 336 | 23 | 51 | 23 | 28 |
| ## 337 | 43 | 71 | 43 | 48 |
| ## 338 | 63 | 91 | 73 | 68 |
| ## 339 | 30 | 20 | 30 | 25 |
| ## 340 | 60 | 40 | 60 | 50 |
| ## 341 | 40 | 20 | 40 | 20 |
| ## 342 | 135 | 45 | 90 | 30 |
| ## 343 | 45 | 35 | 35 | 50 |
| ## 344 | 65 | 55 | 55 | 90 |
| ## 345 | 75 | 65 | 65 | 50 |
| ## 346 | 125 | 85 | 115 | 20 |
| ## 347 | 85 | 55 | 55 | 50 |
| ## 348 | 125 | 55 | 95 | 50 |
| ## 349 | 100 | 40 | 40 | 30 |
| ## 350 | 140 | 50 | 50 | 40 |
| ## 351 | 180 | 60 | 60 | 50 |
| ## 352 | 230 | 60 | 80 | 50 |
| ## 353 | 55 | 40 | 55 | 60 |
| ## 354 | 75 | 60 | 75 | 80 |
| ## 355 | 85 | 80 | 85 | 100 |
| ## 356 | 40 | 65 | 40 | 65 |
| ## 357 | 60 | 105 | 60 | 105 |
| ## 358 | 80 | 135 | 80 | 135 |
| ## 359 | 40 | 85 | 75 | 95 |
| ## 360 | 50 | 75 | 85 | 95 |
| ## 361 | 75 | 47 | 85 | 85 |
| ## 362 | 75 | 73 | 85 | 85 |
| ## 363 | 45 | 100 | 80 | 65 |
| ## 364 | 53 | 43 | 53 | 40 |
| ## 365 | 83 | 73 | 83 | 55 |
| ## 366 | 20 | 65 | 20 | 65 |
| ## 367 | 40 | 95 | 40 | 95 |
| ## 368 | 70 | 110 | 65 | 105 |
| ## 369 | 35 | 70 | 35 | 60 |
| ## 370 | 45 | 90 | 45 | 60 |
| ## 371 | 40 | 65 | 45 | 35 |
| ## 372 | 70 | 105 | 75 | 40 |
| ## 373 | 100 | 145 | 105 | 20 |
| ## 374 | 140 | 85 | 70 | 20 |
| ## 375 | 35 | 70 | 80 | 60 |
| ## 376 | 65 | 90 | 110 | 80 |

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|--------|-----|-----|-----|-----|
| ## 377 | 60 | 60 | 60 | 60 |
| ## 378 | 45 | 45 | 45 | 10 |
| ## 379 | 50 | 50 | 50 | 70 |
| ## 380 | 80 | 80 | 80 | 100 |
| ## 381 | 40 | 85 | 40 | 35 |
| ## 382 | 60 | 115 | 60 | 55 |
| ## 383 | 60 | 40 | 75 | 50 |
| ## 384 | 90 | 70 | 105 | 80 |
| ## 385 | 110 | 110 | 105 | 80 |
| ## 386 | 60 | 60 | 60 | 90 |
| ## 387 | 60 | 100 | 60 | 65 |
| ## 388 | 65 | 95 | 85 | 70 |
| ## 389 | 85 | 55 | 65 | 70 |
| ## 390 | 43 | 46 | 41 | 60 |
| ## 391 | 73 | 76 | 71 | 60 |
| ## 392 | 65 | 50 | 35 | 35 |
| ## 393 | 85 | 90 | 55 | 55 |
| ## 394 | 55 | 40 | 70 | 55 |
| ## 395 | 105 | 70 | 120 | 75 |
| ## 396 | 77 | 61 | 87 | 23 |
| ## 397 | 97 | 81 | 107 | 43 |
| ## 398 | 50 | 40 | 50 | 75 |
| ## 399 | 100 | 70 | 80 | 45 |
| ## 400 | 20 | 10 | 55 | 80 |
| ## 401 | 79 | 100 | 125 | 81 |
| ## 402 | 70 | 70 | 70 | 70 |
| ## 403 | 70 | 60 | 120 | 40 |
| ## 404 | 35 | 63 | 33 | 45 |
| ## 405 | 65 | 83 | 63 | 65 |
| ## 406 | 75 | 93 | 83 | 75 |
| ## 407 | 90 | 30 | 90 | 25 |
| ## 408 | 130 | 60 | 130 | 25 |
| ## 409 | 83 | 72 | 87 | 51 |
| ## 410 | 80 | 95 | 90 | 65 |
| ## 411 | 60 | 75 | 60 | 75 |
| ## 412 | 60 | 115 | 60 | 115 |
| ## 413 | 48 | 23 | 48 | 23 |
| ## 414 | 50 | 50 | 50 | 50 |
| ## 415 | 80 | 80 | 80 | 80 |
| ## 416 | 80 | 120 | 80 | 100 |
| ## 417 | 50 | 55 | 50 | 25 |
| ## 418 | 70 | 75 | 70 | 45 |
| ## 419 | 90 | 95 | 90 | 65 |
| ## 420 | 85 | 74 | 55 | 32 |
| ## 421 | 105 | 94 | 75 | 52 |
| ## 422 | 105 | 114 | 75 | 52 |
| ## 423 | 130 | 45 | 65 | 55 |
| ## 424 | 55 | 40 | 65 | 97 |
| ## 425 | 60 | 40 | 30 | 50 |
| ## 426 | 100 | 60 | 50 | 50 |
| ## 427 | 80 | 110 | 80 | 100 |
| ## 428 | 130 | 120 | 90 | 120 |
| ## 429 | 80 | 35 | 60 | 30 |
| ## 430 | 100 | 55 | 80 | 50 |

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|--------|-----|-----|-----|-----|
| ## 431 | 130 | 95 | 90 | 70 |
| ## 432 | 150 | 105 | 110 | 110 |
| ## 433 | 200 | 50 | 100 | 50 |
| ## 434 | 100 | 100 | 200 | 50 |
| ## 435 | 150 | 75 | 150 | 50 |
| ## 436 | 90 | 110 | 130 | 110 |
| ## 437 | 120 | 140 | 150 | 110 |
| ## 438 | 80 | 130 | 110 | 110 |
| ## 439 | 100 | 160 | 120 | 110 |
| ## 440 | 90 | 150 | 140 | 90 |
| ## 441 | 90 | 180 | 160 | 90 |
| ## 442 | 140 | 100 | 90 | 90 |
| ## 443 | 160 | 150 | 90 | 90 |
| ## 444 | 90 | 150 | 90 | 95 |
| ## 445 | 100 | 180 | 100 | 115 |
| ## 446 | 100 | 100 | 100 | 100 |
| ## 447 | 50 | 150 | 50 | 150 |
| ## 448 | 20 | 180 | 20 | 150 |
| ## 449 | 160 | 70 | 160 | 90 |
| ## 450 | 90 | 95 | 90 | 180 |
| ## 451 | 64 | 45 | 55 | 31 |
| ## 452 | 85 | 55 | 65 | 36 |
| ## 453 | 105 | 75 | 85 | 56 |
| ## 454 | 44 | 58 | 44 | 61 |
| ## 455 | 52 | 78 | 52 | 81 |
| ## 456 | 71 | 104 | 71 | 108 |
| ## 457 | 53 | 61 | 56 | 40 |
| ## 458 | 68 | 81 | 76 | 50 |
| ## 459 | 88 | 111 | 101 | 60 |
| ## 460 | 30 | 30 | 30 | 60 |
| ## 461 | 50 | 40 | 40 | 80 |
| ## 462 | 70 | 50 | 60 | 100 |
| ## 463 | 40 | 35 | 40 | 31 |
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| ## 465 | 41 | 25 | 41 | 25 |
| ## 466 | 51 | 55 | 51 | 65 |
| ## 467 | 34 | 40 | 34 | 45 |
| ## 468 | 49 | 60 | 49 | 60 |
| ## 469 | 79 | 95 | 79 | 70 |
| ## 470 | 35 | 50 | 70 | 55 |
| ## 471 | 65 | 125 | 105 | 90 |
| ## 472 | 40 | 30 | 30 | 58 |
| ## 473 | 60 | 65 | 50 | 58 |
| ## 474 | 118 | 42 | 88 | 30 |
| ## 475 | 168 | 47 | 138 | 30 |
| ## 476 | 45 | 29 | 45 | 36 |
| ## 477 | 85 | 79 | 105 | 36 |
| ## 478 | 105 | 59 | 85 | 36 |
| ## 479 | 95 | 69 | 95 | 36 |
| ## 480 | 50 | 94 | 50 | 66 |
| ## 481 | 42 | 30 | 42 | 70 |
| ## 482 | 102 | 80 | 102 | 40 |
| ## 483 | 70 | 45 | 90 | 95 |
| ## 484 | 35 | 60 | 30 | 85 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 485 | 55 | 85 | 50 | 115 |
| ## 486 | 45 | 62 | 53 | 35 |
| ## 487 | 70 | 87 | 78 | 85 |
| ## 488 | 48 | 57 | 62 | 34 |
| ## 489 | 68 | 92 | 82 | 39 |
| ## 490 | 66 | 60 | 66 | 115 |
| ## 491 | 34 | 60 | 44 | 70 |
| ## 492 | 44 | 90 | 54 | 80 |
| ## 493 | 44 | 44 | 56 | 85 |
| ## 494 | 84 | 54 | 96 | 105 |
| ## 495 | 94 | 54 | 96 | 135 |
| ## 496 | 60 | 105 | 105 | 105 |
| ## 497 | 52 | 105 | 52 | 71 |
| ## 498 | 42 | 42 | 37 | 85 |
| ## 499 | 64 | 64 | 59 | 112 |
| ## 500 | 50 | 65 | 50 | 45 |
| ## 501 | 47 | 41 | 41 | 74 |
| ## 502 | 67 | 71 | 61 | 84 |
| ## 503 | 86 | 24 | 86 | 23 |
| ## 504 | 116 | 79 | 116 | 33 |
| ## 505 | 95 | 10 | 45 | 10 |
| ## 506 | 45 | 70 | 90 | 60 |
| ## 507 | 5 | 15 | 65 | 30 |
| ## 508 | 45 | 92 | 42 | 91 |
| ## 509 | 108 | 92 | 108 | 35 |
| ## 510 | 45 | 40 | 45 | 42 |
| ## 511 | 65 | 50 | 55 | 82 |
| ## 512 | 95 | 80 | 85 | 102 |
| ## 513 | 115 | 120 | 95 | 92 |
| ## 514 | 40 | 40 | 85 | 5 |
| ## 515 | 40 | 35 | 40 | 60 |
| ## 516 | 70 | 115 | 70 | 90 |
| ## 517 | 88 | 140 | 70 | 112 |
| ## 518 | 78 | 38 | 42 | 32 |
| ## 519 | 118 | 68 | 72 | 47 |
| ## 520 | 90 | 30 | 55 | 65 |
| ## 521 | 110 | 60 | 75 | 95 |
| ## 522 | 40 | 61 | 40 | 50 |
| ## 523 | 65 | 86 | 65 | 85 |
| ## 524 | 72 | 90 | 72 | 46 |
| ## 525 | 56 | 49 | 61 | 66 |
| ## 526 | 76 | 69 | 86 | 91 |
| ## 527 | 50 | 60 | 120 | 50 |
| ## 528 | 50 | 62 | 60 | 40 |
| ## 529 | 75 | 92 | 85 | 60 |
| ## 530 | 105 | 132 | 105 | 30 |
| ## 531 | 65 | 45 | 85 | 125 |
| ## 532 | 115 | 130 | 90 | 60 |
| ## 533 | 95 | 80 | 95 | 50 |
| ## 534 | 130 | 55 | 55 | 40 |
| ## 535 | 125 | 110 | 50 | 50 |
| ## 536 | 67 | 95 | 85 | 95 |
| ## 537 | 67 | 125 | 95 | 83 |
| ## 538 | 95 | 120 | 115 | 80 |

| | | | | |
|--------|-----|-----|-----|-----|
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| ## 540 | 130 | 60 | 65 | 95 |
| ## 541 | 110 | 130 | 95 | 65 |
| ## 542 | 125 | 45 | 75 | 95 |
| ## 543 | 80 | 70 | 60 | 80 |
| ## 544 | 70 | 135 | 75 | 90 |
| ## 545 | 65 | 65 | 115 | 80 |
| ## 546 | 95 | 65 | 115 | 110 |
| ## 547 | 145 | 75 | 150 | 40 |
| ## 548 | 135 | 65 | 135 | 45 |
| ## 549 | 70 | 80 | 70 | 110 |
| ## 550 | 77 | 95 | 77 | 91 |
| ## 551 | 107 | 105 | 107 | 86 |
| ## 552 | 107 | 105 | 107 | 86 |
| ## 553 | 107 | 105 | 107 | 86 |
| ## 554 | 107 | 105 | 107 | 86 |
| ## 555 | 107 | 105 | 107 | 86 |
| ## 556 | 130 | 75 | 130 | 95 |
| ## 557 | 105 | 105 | 105 | 80 |
| ## 558 | 70 | 125 | 70 | 115 |
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| ## 560 | 100 | 150 | 120 | 100 |
| ## 561 | 106 | 130 | 106 | 77 |
| ## 562 | 110 | 80 | 110 | 100 |
| ## 563 | 120 | 100 | 120 | 90 |
| ## 564 | 100 | 120 | 100 | 90 |
| ## 565 | 120 | 75 | 130 | 85 |
| ## 566 | 80 | 80 | 80 | 80 |
| ## 567 | 100 | 100 | 100 | 100 |
| ## 568 | 90 | 135 | 90 | 125 |
| ## 569 | 100 | 100 | 100 | 100 |
| ## 570 | 75 | 120 | 75 | 127 |
| ## 571 | 120 | 120 | 120 | 120 |
| ## 572 | 100 | 100 | 100 | 100 |
| ## 573 | 55 | 45 | 55 | 63 |
| ## 574 | 75 | 60 | 75 | 83 |
| ## 575 | 95 | 75 | 95 | 113 |
| ## 576 | 45 | 45 | 45 | 45 |
| ## 577 | 55 | 70 | 55 | 55 |
| ## 578 | 65 | 100 | 65 | 65 |
| ## 579 | 45 | 63 | 45 | 45 |
| ## 580 | 60 | 83 | 60 | 60 |
| ## 581 | 85 | 108 | 70 | 70 |
| ## 582 | 39 | 35 | 39 | 42 |
| ## 583 | 69 | 60 | 69 | 77 |
| ## 584 | 45 | 25 | 45 | 55 |
| ## 585 | 65 | 35 | 65 | 60 |
| ## 586 | 90 | 45 | 90 | 80 |
| ## 587 | 37 | 50 | 37 | 66 |
| ## 588 | 50 | 88 | 50 | 106 |
| ## 589 | 48 | 53 | 48 | 64 |
| ## 590 | 63 | 98 | 63 | 101 |
| ## 591 | 48 | 53 | 48 | 64 |
| ## 592 | 63 | 98 | 63 | 101 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 593 | 48 | 53 | 48 | 64 |
| ## 594 | 63 | 98 | 63 | 101 |
| ## 595 | 45 | 67 | 55 | 24 |
| ## 596 | 85 | 107 | 95 | 29 |
| ## 597 | 50 | 36 | 30 | 43 |
| ## 598 | 62 | 50 | 42 | 65 |
| ## 599 | 80 | 65 | 55 | 93 |
| ## 600 | 32 | 50 | 32 | 76 |
| ## 601 | 63 | 80 | 63 | 116 |
| ## 602 | 85 | 25 | 25 | 15 |
| ## 603 | 105 | 50 | 40 | 20 |
| ## 604 | 130 | 60 | 80 | 25 |
| ## 605 | 43 | 55 | 43 | 72 |
| ## 606 | 55 | 77 | 55 | 114 |
| ## 607 | 40 | 30 | 45 | 68 |
| ## 608 | 60 | 50 | 65 | 88 |
| ## 609 | 86 | 60 | 86 | 50 |
| ## 610 | 126 | 80 | 126 | 50 |
| ## 611 | 55 | 25 | 35 | 35 |
| ## 612 | 85 | 40 | 50 | 40 |
| ## 613 | 95 | 55 | 65 | 45 |
| ## 614 | 40 | 50 | 40 | 64 |
| ## 615 | 55 | 65 | 55 | 69 |
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| ## 617 | 85 | 30 | 85 | 45 |
| ## 618 | 75 | 30 | 75 | 85 |
| ## 619 | 70 | 40 | 60 | 42 |
| ## 620 | 90 | 50 | 80 | 42 |
| ## 621 | 80 | 70 | 80 | 92 |
| ## 622 | 59 | 30 | 39 | 57 |
| ## 623 | 99 | 40 | 79 | 47 |
| ## 624 | 89 | 55 | 69 | 112 |
| ## 625 | 60 | 37 | 50 | 66 |
| ## 626 | 85 | 77 | 75 | 116 |
| ## 627 | 50 | 70 | 50 | 30 |
| ## 628 | 75 | 110 | 75 | 90 |
| ## 629 | 65 | 80 | 55 | 98 |
| ## 630 | 35 | 35 | 35 | 65 |
| ## 631 | 45 | 45 | 45 | 74 |
| ## 632 | 80 | 65 | 70 | 92 |
| ## 633 | 45 | 15 | 45 | 50 |
| ## 634 | 55 | 30 | 55 | 95 |
| ## 635 | 105 | 140 | 105 | 55 |
| ## 636 | 67 | 106 | 67 | 60 |
| ## 637 | 85 | 35 | 35 | 55 |
| ## 638 | 125 | 65 | 75 | 45 |
| ## 639 | 70 | 35 | 70 | 48 |
| ## 640 | 115 | 45 | 115 | 58 |
| ## 641 | 80 | 103 | 80 | 97 |
| ## 642 | 85 | 55 | 65 | 30 |
| ## 643 | 145 | 95 | 105 | 30 |
| ## 644 | 103 | 53 | 45 | 22 |
| ## 645 | 133 | 83 | 65 | 32 |
| ## 646 | 45 | 74 | 45 | 70 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 647 | 65 | 112 | 65 | 110 |
| ## 648 | 62 | 40 | 62 | 65 |
| ## 649 | 82 | 60 | 82 | 75 |
| ## 650 | 40 | 80 | 40 | 65 |
| ## 651 | 60 | 120 | 60 | 105 |
| ## 652 | 40 | 40 | 40 | 75 |
| ## 653 | 60 | 65 | 60 | 115 |
| ## 654 | 50 | 55 | 65 | 45 |
| ## 655 | 70 | 75 | 85 | 55 |
| ## 656 | 95 | 95 | 110 | 65 |
| ## 657 | 40 | 105 | 50 | 20 |
| ## 658 | 50 | 125 | 60 | 30 |
| ## 659 | 75 | 125 | 85 | 30 |
| ## 660 | 50 | 44 | 50 | 55 |
| ## 661 | 63 | 87 | 63 | 98 |
| ## 662 | 50 | 65 | 60 | 44 |
| ## 663 | 65 | 80 | 75 | 59 |
| ## 664 | 85 | 110 | 95 | 79 |
| ## 665 | 50 | 40 | 50 | 75 |
| ## 666 | 70 | 60 | 70 | 95 |
| ## 667 | 60 | 75 | 60 | 103 |
| ## 668 | 45 | 40 | 45 | 60 |
| ## 669 | 105 | 60 | 105 | 20 |
| ## 670 | 45 | 55 | 55 | 15 |
| ## 671 | 70 | 85 | 80 | 30 |
| ## 672 | 50 | 65 | 85 | 40 |
| ## 673 | 70 | 85 | 105 | 60 |
| ## 674 | 80 | 40 | 45 | 65 |
| ## 675 | 50 | 57 | 50 | 65 |
| ## 676 | 60 | 97 | 60 | 108 |
| ## 677 | 91 | 24 | 86 | 10 |
| ## 678 | 131 | 54 | 116 | 20 |
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| ## 681 | 115 | 70 | 85 | 90 |
| ## 682 | 40 | 45 | 40 | 60 |
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| ## 686 | 75 | 125 | 95 | 40 |
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| ## 688 | 60 | 95 | 60 | 55 |
| ## 689 | 90 | 145 | 90 | 80 |
| ## 690 | 60 | 30 | 40 | 57 |
| ## 691 | 70 | 40 | 50 | 67 |
| ## 692 | 90 | 60 | 70 | 97 |
| ## 693 | 40 | 60 | 40 | 40 |
| ## 694 | 80 | 70 | 80 | 50 |
| ## 695 | 50 | 95 | 135 | 105 |
| ## 696 | 85 | 40 | 65 | 25 |
| ## 697 | 40 | 100 | 60 | 145 |
| ## 698 | 84 | 81 | 99 | 32 |
| ## 699 | 50 | 55 | 50 | 65 |
| ## 700 | 60 | 95 | 60 | 105 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 701 | 90 | 60 | 90 | 48 |
| ## 702 | 50 | 35 | 50 | 35 |
| ## 703 | 80 | 55 | 80 | 55 |
| ## 704 | 70 | 40 | 40 | 60 |
| ## 705 | 100 | 60 | 70 | 70 |
| ## 706 | 95 | 40 | 95 | 55 |
| ## 707 | 50 | 37 | 50 | 60 |
| ## 708 | 75 | 57 | 75 | 80 |
| ## 709 | 75 | 45 | 65 | 60 |
| ## 710 | 105 | 55 | 95 | 80 |
| ## 711 | 66 | 105 | 66 | 65 |
| ## 712 | 112 | 48 | 48 | 109 |
| ## 713 | 50 | 45 | 50 | 38 |
| ## 714 | 70 | 65 | 70 | 58 |
| ## 715 | 90 | 125 | 90 | 98 |
| ## 716 | 55 | 50 | 55 | 60 |
| ## 717 | 65 | 135 | 105 | 100 |
| ## 718 | 129 | 90 | 72 | 108 |
| ## 719 | 90 | 72 | 90 | 108 |
| ## 720 | 72 | 90 | 129 | 108 |
| ## 721 | 70 | 125 | 80 | 111 |
| ## 722 | 80 | 110 | 90 | 121 |
| ## 723 | 70 | 125 | 80 | 111 |
| ## 724 | 70 | 145 | 80 | 101 |
| ## 725 | 100 | 150 | 120 | 90 |
| ## 726 | 120 | 120 | 100 | 90 |
| ## 727 | 90 | 115 | 80 | 101 |
| ## 728 | 90 | 105 | 80 | 91 |
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| ## 730 | 100 | 120 | 90 | 95 |
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| ## 735 | 90 | 77 | 77 | 128 |
| ## 736 | 95 | 120 | 95 | 99 |
| ## 737 | 65 | 48 | 45 | 38 |
| ## 738 | 95 | 56 | 58 | 57 |
| ## 739 | 122 | 74 | 75 | 64 |
| ## 740 | 40 | 62 | 60 | 60 |
| ## 741 | 58 | 90 | 70 | 73 |
| ## 742 | 72 | 114 | 100 | 104 |
| ## 743 | 40 | 62 | 44 | 71 |
| ## 744 | 52 | 83 | 56 | 97 |
| ## 745 | 67 | 103 | 71 | 122 |
| ## 746 | 67 | 153 | 71 | 132 |
| ## 747 | 38 | 32 | 36 | 57 |
| ## 748 | 77 | 50 | 77 | 78 |
| ## 749 | 43 | 40 | 38 | 62 |
| ## 750 | 55 | 56 | 52 | 84 |
| ## 751 | 71 | 74 | 69 | 126 |
| ## 752 | 40 | 27 | 25 | 35 |
| ## 753 | 60 | 27 | 30 | 29 |
| ## 754 | 50 | 90 | 50 | 89 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 755 | 58 | 73 | 54 | 72 |
| ## 756 | 72 | 109 | 66 | 106 |
| ## 757 | 39 | 61 | 79 | 42 |
| ## 758 | 47 | 75 | 98 | 52 |
| ## 759 | 68 | 112 | 154 | 75 |
| ## 760 | 48 | 62 | 57 | 52 |
| ## 761 | 62 | 97 | 81 | 68 |
| ## 762 | 62 | 46 | 48 | 43 |
| ## 763 | 78 | 69 | 71 | 58 |
| ## 764 | 60 | 65 | 90 | 102 |
| ## 765 | 54 | 63 | 60 | 68 |
| ## 766 | 76 | 83 | 81 | 104 |
| ## 767 | 76 | 83 | 81 | 104 |
| ## 768 | 100 | 35 | 37 | 28 |
| ## 769 | 150 | 45 | 49 | 35 |
| ## 770 | 50 | 150 | 50 | 60 |
| ## 771 | 150 | 50 | 150 | 60 |
| ## 772 | 60 | 63 | 65 | 23 |
| ## 773 | 72 | 99 | 89 | 29 |
| ## 774 | 66 | 59 | 57 | 49 |
| ## 775 | 86 | 85 | 75 | 72 |
| ## 776 | 53 | 37 | 46 | 45 |
| ## 777 | 88 | 68 | 75 | 73 |
| ## 778 | 67 | 39 | 56 | 50 |
| ## 779 | 115 | 54 | 86 | 68 |
| ## 780 | 60 | 60 | 60 | 30 |
| ## 781 | 90 | 97 | 123 | 44 |
| ## 782 | 62 | 58 | 63 | 44 |
| ## 783 | 88 | 120 | 89 | 59 |
| ## 784 | 33 | 61 | 43 | 70 |
| ## 785 | 52 | 109 | 94 | 109 |
| ## 786 | 77 | 45 | 45 | 48 |
| ## 787 | 119 | 69 | 59 | 71 |
| ## 788 | 50 | 67 | 63 | 46 |
| ## 789 | 72 | 99 | 92 | 58 |
| ## 790 | 65 | 110 | 130 | 60 |
| ## 791 | 75 | 74 | 63 | 118 |
| ## 792 | 57 | 81 | 67 | 101 |
| ## 793 | 150 | 50 | 150 | 50 |
| ## 794 | 35 | 55 | 75 | 40 |
| ## 795 | 53 | 83 | 113 | 60 |
| ## 796 | 70 | 110 | 150 | 80 |
| ## 797 | 91 | 80 | 87 | 75 |
| ## 798 | 48 | 50 | 60 | 38 |
| ## 799 | 76 | 65 | 82 | 56 |
| ## 800 | 70 | 44 | 55 | 51 |
| ## 801 | 70 | 44 | 55 | 56 |
| ## 802 | 70 | 44 | 55 | 46 |
| ## 803 | 70 | 44 | 55 | 41 |
| ## 804 | 122 | 58 | 75 | 84 |
| ## 805 | 122 | 58 | 75 | 99 |
| ## 806 | 122 | 58 | 75 | 69 |
| ## 807 | 122 | 58 | 75 | 54 |
| ## 808 | 85 | 32 | 35 | 28 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 809 | 184 | 44 | 46 | 28 |
| ## 810 | 35 | 45 | 40 | 55 |
| ## 811 | 80 | 97 | 80 | 123 |
| ## 812 | 95 | 131 | 98 | 99 |
| ## 813 | 95 | 131 | 98 | 99 |
| ## 814 | 121 | 81 | 95 | 95 |
| ## 815 | 71 | 61 | 85 | 115 |
| ## 816 | 121 | 91 | 95 | 85 |
| ## 817 | 150 | 100 | 150 | 50 |
| ## 818 | 110 | 160 | 110 | 110 |
| ## 819 | 60 | 150 | 130 | 70 |
| ## 820 | 60 | 170 | 130 | 80 |
| ## 821 | 120 | 130 | 90 | 70 |
| ## 822 | 55 | 50 | 50 | 42 |
| ## 823 | 75 | 70 | 70 | 52 |
| ## 824 | 75 | 100 | 100 | 70 |
| ## 825 | 40 | 60 | 40 | 70 |
| ## 826 | 50 | 80 | 50 | 90 |
| ## 827 | 90 | 80 | 90 | 60 |
| ## 828 | 54 | 66 | 56 | 40 |
| ## 829 | 69 | 91 | 81 | 50 |
| ## 830 | 74 | 126 | 116 | 60 |
| ## 831 | 30 | 30 | 30 | 65 |
| ## 832 | 50 | 40 | 50 | 75 |
| ## 833 | 75 | 75 | 75 | 60 |
| ## 834 | 30 | 30 | 30 | 45 |
| ## 835 | 60 | 55 | 60 | 45 |
| ## 836 | 45 | 55 | 45 | 46 |
| ## 837 | 95 | 55 | 75 | 36 |
| ## 838 | 90 | 145 | 75 | 43 |
| ## 839 | 57 | 42 | 47 | 63 |
| ## 840 | 77 | 62 | 67 | 43 |
| ## 841 | 70 | 98 | 70 | 93 |
| ## 842 | 70 | 98 | 70 | 93 |
| ## 843 | 70 | 98 | 70 | 93 |
| ## 844 | 70 | 98 | 70 | 93 |
| ## 845 | 40 | 55 | 40 | 84 |
| ## 846 | 60 | 95 | 70 | 124 |
| ## 847 | 40 | 30 | 40 | 60 |
| ## 848 | 65 | 55 | 65 | 112 |
| ## 849 | 75 | 55 | 75 | 82 |
| ## 850 | 65 | 55 | 65 | 110 |
| ## 851 | 20 | 25 | 25 | 40 |
| ## 852 | 130 | 140 | 135 | 30 |
| ## 853 | 62 | 43 | 52 | 45 |
| ## 854 | 152 | 53 | 142 | 35 |
| ## 855 | 70 | 45 | 55 | 45 |
| ## 856 | 100 | 55 | 85 | 35 |
| ## 857 | 52 | 40 | 72 | 27 |
| ## 858 | 92 | 50 | 132 | 42 |
| ## 859 | 35 | 50 | 35 | 35 |
| ## 860 | 90 | 80 | 90 | 45 |
| ## 861 | 55 | 65 | 75 | 15 |
| ## 862 | 80 | 90 | 100 | 30 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 863 | 40 | 71 | 40 | 77 |
| ## 864 | 60 | 111 | 60 | 117 |
| ## 865 | 50 | 45 | 50 | 50 |
| ## 866 | 80 | 55 | 60 | 60 |
| ## 867 | 38 | 30 | 38 | 32 |
| ## 868 | 48 | 40 | 48 | 62 |
| ## 869 | 98 | 50 | 98 | 72 |
| ## 870 | 90 | 82 | 110 | 100 |
| ## 871 | 80 | 90 | 110 | 60 |
| ## 872 | 90 | 40 | 60 | 80 |
| ## 873 | 40 | 20 | 30 | 80 |
| ## 874 | 140 | 60 | 90 | 40 |
| ## 875 | 80 | 70 | 45 | 15 |
| ## 876 | 110 | 100 | 75 | 35 |
| ## 877 | 130 | 30 | 130 | 5 |
| ## 878 | 95 | 95 | 95 | 59 |
| ## 879 | 95 | 95 | 95 | 95 |
| ## 880 | 100 | 60 | 100 | 60 |
| ## 881 | 60 | 100 | 60 | 120 |
| ## 882 | 65 | 75 | 95 | 65 |
| ## 883 | 135 | 91 | 85 | 36 |
| ## 884 | 63 | 40 | 73 | 96 |
| ## 885 | 80 | 50 | 105 | 96 |
| ## 886 | 70 | 70 | 70 | 92 |
| ## 887 | 85 | 135 | 91 | 36 |
| ## 888 | 100 | 86 | 90 | 40 |
| ## 889 | 65 | 45 | 45 | 45 |
| ## 890 | 90 | 65 | 70 | 65 |
| ## 891 | 125 | 100 | 105 | 85 |
| ## 892 | 85 | 95 | 75 | 130 |
| ## 893 | 75 | 130 | 115 | 95 |
| ## 894 | 115 | 85 | 95 | 75 |
| ## 895 | 115 | 95 | 130 | 85 |
| ## 896 | 31 | 29 | 31 | 37 |
| ## 897 | 131 | 29 | 131 | 37 |
| ## 898 | 107 | 113 | 89 | 97 |
| ## 899 | 89 | 137 | 107 | 97 |
| ## 900 | 47 | 127 | 131 | 103 |
| ## 901 | 139 | 53 | 53 | 79 |
| ## 902 | 37 | 137 | 37 | 151 |
| ## 903 | 71 | 173 | 71 | 83 |
| ## 904 | 103 | 107 | 101 | 61 |
| ## 905 | 131 | 59 | 31 | 109 |
| ## 906 | 53 | 97 | 53 | 43 |
| ## 907 | 101 | 127 | 89 | 79 |
| ## 908 | 127 | 113 | 109 | 77 |
| ## 909 | 109 | 157 | 127 | 77 |
| ## 910 | 97 | 167 | 97 | 129 |
| ## 911 | 115 | 130 | 115 | 65 |
| ## 912 | 80 | 90 | 90 | 125 |
| ## 913 | 67 | 73 | 67 | 73 |
| ## 914 | 73 | 127 | 73 | 121 |
| ## 915 | 211 | 53 | 101 | 13 |

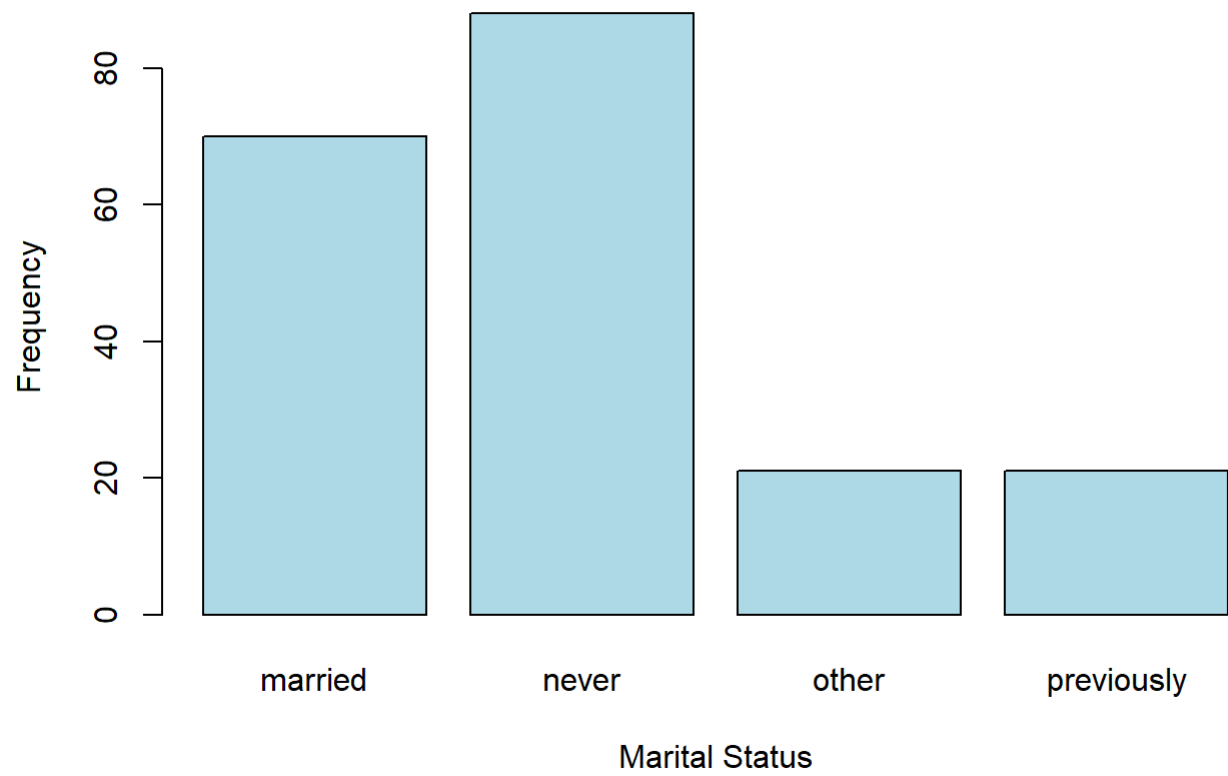
```
## 916      53      151      79    107
## 917      75      102      80    143
```

```
nomissng_Total <- allpoke("surf.csv", "Marital", "surf.Marital.jpg")
```

```
## [1] "never"      "married"    "married"    "never"      "married"
## [6] "married"    "other"      "previously" "married"    "previously"
## [11] "previously" "married"    "married"    "married"    "married"
## [16] "never"      "previously" "never"      "married"    "other"
## [21] "never"      "married"    "never"      "never"      "other"
## [26] "married"    "married"    "never"      "never"      "other"
## [31] "other"      "never"      "never"      "never"      "married"
## [36] "married"    "never"      "married"    "previously" "married"
## [41] "married"    "never"      "previously" "married"    "never"
## [46] "married"    "married"    "married"    "never"      "married"
## [51] "previously" "married"    "other"      "never"      "previously"
## [56] "never"      "previously" "married"    "never"      "never"
## [61] "married"    "married"    "married"    "never"      "never"
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## [76] "never"      "never"      "never"      "married"    "married"
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## [86] "previously" "never"      "other"      "married"    "other"
## [91] "never"      "married"    "never"      "never"      "never"
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## [131] "never"      "married"    "previously" "never"      "married"
## [136] "never"      "married"    "married"    "never"      "never"
## [141] "never"      "married"    "previously" "previously" "married"
## [146] "married"    "married"    "never"      "never"      "married"
## [151] "other"      "never"      "married"    "other"      "married"
## [156] "married"    "married"    "other"      "married"    "never"
## [161] "never"      "married"    "never"      "previously" "never"
## [166] "never"      "never"      "married"    "never"      "never"
## [171] "other"      "never"      "never"      "married"    "never"
## [176] "never"      "married"    "never"      "other"      "never"
## [181] "never"      "previously" "never"      "never"      "never"
## [186] "never"      "never"      "never"      "previously" "married"
## [191] "never"      "never"      "other"      "previously" "never"
## [196] "married"    "never"      "never"      "married"    "never"
```

```
allpoke("surf.csv", "Marital")
```

Marital Status



```

## [1] "never"      "married"    "married"    "never"      "married"
## [6] "married"    "other"      "previously" "married"    "previously"
## [11] "previously" "married"    "married"    "married"    "married"
## [16] "never"      "previously" "never"      "married"    "other"
## [21] "never"      "married"    "never"      "never"      "other"
## [26] "married"    "married"    "never"      "never"      "other"
## [31] "other"      "never"      "never"      "never"      "married"
## [36] "married"    "never"      "married"    "previously" "married"
## [41] "married"    "never"      "previously" "married"    "never"
## [46] "married"    "married"    "married"    "never"      "married"
## [51] "previously" "married"    "other"      "never"      "previously"
## [56] "never"      "previously" "married"    "never"      "never"
## [61] "married"    "married"    "married"    "never"      "never"
## [66] "married"    "married"    "never"      "married"    "previously"
## [71] "married"    "never"      "married"    "previously" "never"
## [76] "never"      "never"      "never"      "married"    "married"
## [81] "other"      "other"      "married"    "never"      "never"
## [86] "previously" "never"      "other"      "married"    "other"
## [91] "never"      "married"    "never"      "never"      "never"
## [96] "married"    "never"      "never"      "never"      "married"
## [101] "other"      "married"    "never"      "other"      "married"
## [106] "other"      "other"      "married"    "never"      "previously"
## [111] "married"    "never"      "never"      "never"      "married"
## [116] "previously" "married"    "never"      "never"      "never"
## [121] "other"      "married"    "married"    "married"    "never"
## [126] "never"      "never"      "never"      "never"      "never"
## [131] "never"      "married"    "previously" "never"      "married"
## [136] "never"      "married"    "married"    "never"      "never"
## [141] "never"      "married"    "previously" "previously" "married"
## [146] "married"    "married"    "never"      "never"      "married"
## [151] "other"      "never"      "married"    "other"      "married"
## [156] "married"    "married"    "other"      "married"    "never"
## [161] "never"      "married"    "never"      "previously" "never"
## [166] "never"      "never"      "married"    "never"      "never"
## [171] "other"      "never"      "never"      "married"    "never"
## [176] "never"      "married"    "never"      "other"      "never"
## [181] "never"      "previously" "never"      "never"      "never"
## [186] "never"      "never"      "never"      "previously" "married"
## [191] "never"      "never"      "other"      "previously" "never"
## [196] "married"    "never"      "never"      "married"    "never"

```

| ## | Personid | Gender | Qualification | Age | Hours | Income | Marital | Ethnicity | X |
|-------|----------|--------|---------------|-----|-------|--------|------------|-----------|----|
| ## 1 | 1 | female | school | 15 | 4 | 87 | never | European | NA |
| ## 2 | 2 | female | vocational | 40 | 42 | 596 | married | European | NA |
| ## 3 | 3 | male | none | 38 | 40 | 497 | married | Maori | NA |
| ## 4 | 4 | female | vocational | 34 | 8 | 299 | never | European | NA |
| ## 5 | 5 | female | school | 45 | 16 | 301 | married | European | NA |
| ## 6 | 6 | male | degree | 45 | 50 | 1614 | married | European | NA |
| ## 7 | 7 | female | none | 36 | 12 | 201 | other | European | NA |
| ## 8 | 8 | male | degree | 35 | 45 | 934 | previously | European | NA |
| ## 9 | 9 | female | vocational | 38 | 26 | 624 | married | European | NA |
| ## 10 | 10 | male | school | 37 | 50 | 533 | previously | European | NA |
| ## 11 | 11 | male | none | 44 | 45 | 609 | previously | European | NA |
| ## 12 | 12 | female | school | 35 | 40 | 620 | married | European | NA |
| ## 13 | 13 | female | school | 34 | 24 | 371 | married | European | NA |
| ## 14 | 14 | female | vocational | 36 | 20 | 404 | married | European | NA |
| ## 15 | 15 | female | school | 19 | 40 | 623 | married | European | NA |
| ## 16 | 16 | male | school | 16 | 54 | 616 | never | other | NA |
| ## 17 | 17 | male | degree | 41 | 54 | 856 | previously | European | NA |
| ## 18 | 18 | male | vocational | 25 | 40 | 708 | never | European | NA |
| ## 19 | 19 | male | degree | 42 | 40 | 743 | married | European | NA |
| ## 20 | 20 | female | none | 34 | 25 | 386 | other | European | NA |
| ## 21 | 21 | male | vocational | 24 | 47 | 999 | never | European | NA |
| ## 22 | 22 | female | vocational | 42 | 4 | 74 | married | Pacific | NA |
| ## 23 | 23 | female | school | 16 | 20 | 387 | never | European | NA |
| ## 24 | 24 | male | school | 18 | 5 | 44 | never | Maori | NA |
| ## 25 | 25 | female | none | 45 | 38 | 535 | other | Maori | NA |
| ## 26 | 26 | male | vocational | 36 | 40 | 260 | married | other | NA |
| ## 27 | 27 | male | school | 32 | 48 | 895 | married | European | NA |
| ## 28 | 28 | female | vocational | 33 | 14 | 368 | never | European | NA |
| ## 29 | 29 | female | none | 43 | 40 | 559 | never | European | NA |
| ## 30 | 30 | male | vocational | 31 | 40 | 526 | other | other | NA |
| ## 31 | 31 | male | vocational | 29 | 60 | 1084 | other | other | NA |
| ## 32 | 32 | female | school | 18 | 45 | 628 | never | Maori | NA |
| ## 33 | 33 | male | none | 21 | 35 | 383 | never | European | NA |
| ## 34 | 34 | female | vocational | 38 | 40 | 713 | never | other | NA |
| ## 35 | 35 | male | vocational | 37 | 40 | 599 | married | European | NA |
| ## 36 | 36 | female | vocational | 30 | 18 | 450 | married | European | NA |
| ## 37 | 37 | male | none | 34 | 30 | 395 | never | European | NA |
| ## 38 | 38 | male | school | 34 | 40 | 532 | married | European | NA |
| ## 39 | 39 | female | vocational | 42 | 35 | 447 | previously | European | NA |
| ## 40 | 40 | male | vocational | 29 | 37 | 795 | married | European | NA |
| ## 41 | 41 | male | school | 35 | 40 | 809 | married | European | NA |
| ## 42 | 42 | female | school | 22 | 15 | 309 | never | European | NA |
| ## 43 | 43 | male | degree | 38 | 50 | 1217 | previously | Maori | NA |
| ## 44 | 44 | male | none | 36 | 35 | 426 | married | European | NA |
| ## 45 | 45 | male | none | 17 | 15 | 222 | never | European | NA |
| ## 46 | 46 | female | school | 45 | 44 | 508 | married | European | NA |
| ## 47 | 47 | female | school | 39 | 17 | 351 | married | Maori | NA |
| ## 48 | 48 | female | none | 43 | 6 | 206 | married | European | NA |
| ## 49 | 49 | male | none | 34 | 54 | 826 | never | European | NA |
| ## 50 | 50 | male | degree | 31 | 70 | 1724 | married | European | NA |
| ## 51 | 51 | female | school | 41 | 20 | 264 | previously | Maori | NA |
| ## 52 | 52 | male | none | 37 | 48 | 949 | married | European | NA |

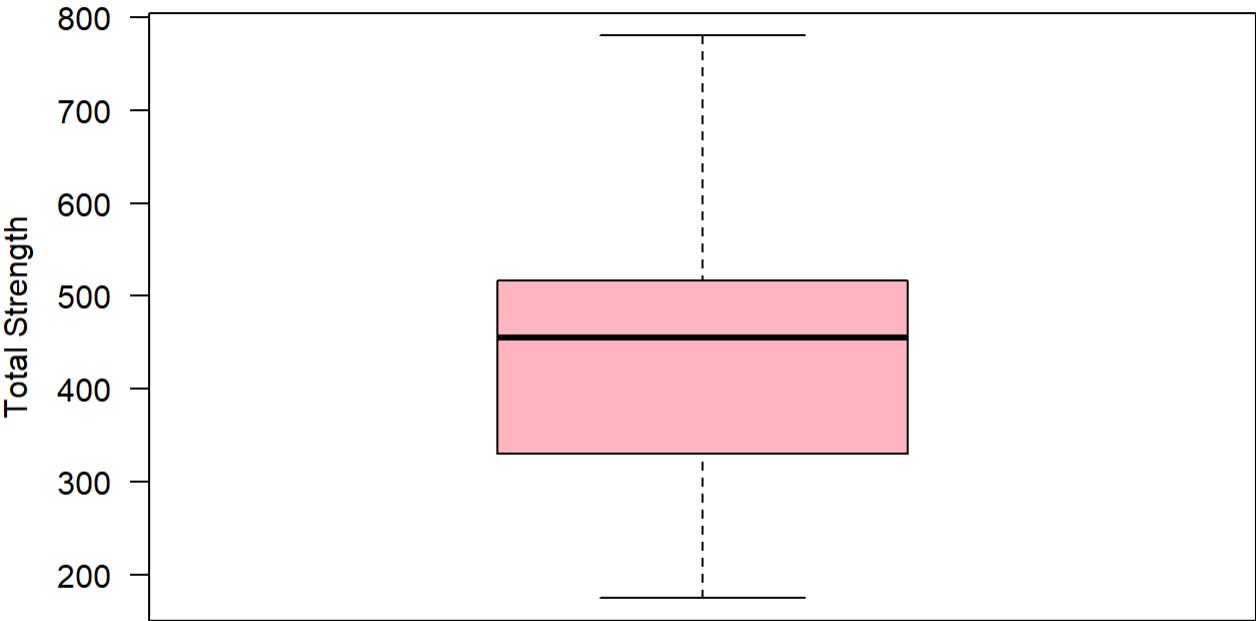
| | | | | | | | | |
|--------|------------|------------|----|----|------|------------|----------|----|
| ## 53 | 53 female | school | 32 | 24 | 143 | other | European | NA |
| ## 54 | 54 female | none | 27 | 40 | 474 | never | European | NA |
| ## 55 | 55 female | school | 45 | 40 | 708 | previously | European | NA |
| ## 56 | 56 female | vocational | 27 | 5 | 112 | never | European | NA |
| ## 57 | 57 male | vocational | 40 | 39 | 525 | previously | Maori | NA |
| ## 58 | 58 male | vocational | 34 | 55 | 849 | married | European | NA |
| ## 59 | 59 female | school | 22 | 6 | 24 | never | European | NA |
| ## 60 | 60 male | school | 22 | 12 | 85 | never | European | NA |
| ## 61 | 61 female | school | 19 | 15 | 231 | married | European | NA |
| ## 62 | 62 female | degree | 28 | 50 | 544 | married | European | NA |
| ## 63 | 63 female | vocational | 38 | 32 | 462 | married | European | NA |
| ## 64 | 64 male | none | 18 | 14 | 239 | never | European | NA |
| ## 65 | 65 female | degree | 29 | 60 | 1543 | never | European | NA |
| ## 66 | 66 male | school | 35 | 40 | 548 | married | European | NA |
| ## 67 | 67 female | vocational | 41 | 17 | 18 | married | European | NA |
| ## 68 | 68 female | vocational | 20 | 25 | 552 | never | Maori | NA |
| ## 69 | 69 female | none | 45 | 40 | 556 | married | Maori | NA |
| ## 70 | 70 female | none | 43 | 25 | 266 | previously | European | NA |
| ## 71 | 71 female | none | 25 | 6 | 286 | married | Pacific | NA |
| ## 72 | 72 male | vocational | 21 | 70 | 1157 | never | Maori | NA |
| ## 73 | 73 male | none | 28 | 54 | 480 | married | European | NA |
| ## 74 | 74 female | degree | 36 | 50 | 979 | previously | European | NA |
| ## 75 | 75 male | school | 22 | 44 | 475 | never | European | NA |
| ## 76 | 76 male | none | 18 | 35 | 507 | never | Pacific | NA |
| ## 77 | 77 male | school | 21 | 10 | 107 | never | European | NA |
| ## 78 | 78 male | school | 44 | 36 | 815 | never | European | NA |
| ## 79 | 79 female | school | 24 | 16 | 240 | married | European | NA |
| ## 80 | 80 female | school | 34 | 38 | 567 | married | European | NA |
| ## 81 | 81 male | none | 29 | 40 | 477 | other | other | NA |
| ## 82 | 82 male | none | 39 | 35 | 662 | other | European | NA |
| ## 83 | 83 male | none | 43 | 70 | 1005 | married | European | NA |
| ## 84 | 84 male | school | 17 | 40 | 642 | never | European | NA |
| ## 85 | 85 male | degree | 31 | 40 | 985 | never | European | NA |
| ## 86 | 86 female | vocational | 35 | 40 | 501 | previously | Maori | NA |
| ## 87 | 87 male | vocational | 23 | 25 | 460 | never | European | NA |
| ## 88 | 88 female | school | 18 | 6 | 86 | other | European | NA |
| ## 89 | 89 female | school | 40 | 15 | 287 | married | European | NA |
| ## 90 | 90 female | school | 18 | 9 | 102 | other | Pacific | NA |
| ## 91 | 91 female | vocational | 24 | 40 | 630 | never | European | NA |
| ## 92 | 92 female | none | 42 | 40 | 402 | married | European | NA |
| ## 93 | 93 female | school | 27 | 20 | 406 | never | Maori | NA |
| ## 94 | 94 male | vocational | 23 | 40 | 1062 | never | European | NA |
| ## 95 | 95 female | none | 16 | 3 | 108 | never | European | NA |
| ## 96 | 96 female | none | 43 | 9 | 220 | married | European | NA |
| ## 97 | 97 female | vocational | 34 | 40 | 615 | never | European | NA |
| ## 98 | 98 female | school | 30 | 40 | 820 | never | Maori | NA |
| ## 99 | 99 female | degree | 24 | 39 | 626 | never | European | NA |
| ## 100 | 100 male | vocational | 34 | 60 | 1373 | married | European | NA |
| ## 101 | 101 female | school | 21 | 35 | 874 | other | European | NA |
| ## 102 | 102 male | vocational | 41 | 46 | 972 | married | European | NA |
| ## 103 | 103 female | vocational | 30 | 34 | 609 | never | European | NA |
| ## 104 | 104 male | vocational | 27 | 60 | 710 | other | European | NA |
| ## 105 | 105 male | school | 35 | 70 | 1131 | married | European | NA |
| ## 106 | 106 male | vocational | 40 | 50 | 868 | other | other | NA |

| | | | | | | | | |
|--------|------------|------------|----|----|------|------------|----------|----|
| ## 107 | 107 female | degree | 40 | 12 | 392 | other | European | NA |
| ## 108 | 108 female | none | 33 | 40 | 517 | married | European | NA |
| ## 109 | 109 female | vocational | 23 | 38 | 517 | never | Maori | NA |
| ## 110 | 110 female | vocational | 34 | 38 | 532 | previously | European | NA |
| ## 111 | 111 female | school | 40 | 21 | 106 | married | European | NA |
| ## 112 | 112 male | school | 19 | 16 | 110 | never | European | NA |
| ## 113 | 113 male | school | 16 | 16 | 249 | never | European | NA |
| ## 114 | 114 female | school | 21 | 2 | 11 | never | Maori | NA |
| ## 115 | 115 male | none | 38 | 50 | 835 | married | European | NA |
| ## 116 | 116 female | degree | 36 | 40 | 925 | previously | European | NA |
| ## 117 | 117 male | degree | 43 | 45 | 950 | married | European | NA |
| ## 118 | 118 male | degree | 24 | 40 | 860 | never | European | NA |
| ## 119 | 119 female | degree | 40 | 13 | 425 | never | European | NA |
| ## 120 | 120 female | school | 33 | 17 | 244 | never | Pacific | NA |
| ## 121 | 121 female | vocational | 21 | 40 | 830 | other | European | NA |
| ## 122 | 122 male | vocational | 32 | 38 | 562 | married | European | NA |
| ## 123 | 123 male | degree | 41 | 45 | 1145 | married | other | NA |
| ## 124 | 124 female | vocational | 37 | 6 | 193 | married | European | NA |
| ## 125 | 125 male | school | 23 | 45 | 515 | never | European | NA |
| ## 126 | 126 female | none | 17 | 17 | 259 | never | European | NA |
| ## 127 | 127 male | none | 43 | 10 | 99 | never | Maori | NA |
| ## 128 | 128 female | vocational | 20 | 50 | 757 | never | other | NA |
| ## 129 | 129 male | vocational | 27 | 40 | 952 | never | European | NA |
| ## 130 | 130 female | vocational | 38 | 40 | 1097 | never | European | NA |
| ## 131 | 131 female | none | 20 | 2 | 105 | never | European | NA |
| ## 132 | 132 female | vocational | 44 | 48 | 743 | married | European | NA |
| ## 133 | 133 female | school | 31 | 10 | 218 | previously | European | NA |
| ## 134 | 134 female | school | 22 | 8 | 94 | never | Pacific | NA |
| ## 135 | 135 male | degree | 33 | 38 | 390 | married | European | NA |
| ## 136 | 136 male | degree | 26 | 38 | 805 | never | European | NA |
| ## 137 | 137 male | vocational | 45 | 44 | 902 | married | European | NA |
| ## 138 | 138 female | none | 32 | 40 | 406 | married | European | NA |
| ## 139 | 139 male | degree | 41 | 45 | 1034 | never | Maori | NA |
| ## 140 | 140 male | vocational | 24 | 54 | 868 | never | European | NA |
| ## 141 | 141 female | degree | 23 | 45 | 658 | never | other | NA |
| ## 142 | 142 female | vocational | 38 | 32 | 521 | married | European | NA |
| ## 143 | 143 male | vocational | 34 | 45 | 1099 | previously | European | NA |
| ## 144 | 144 male | degree | 33 | 60 | 540 | previously | European | NA |
| ## 145 | 145 female | vocational | 34 | 40 | 967 | married | European | NA |
| ## 146 | 146 male | vocational | 37 | 40 | 1163 | married | European | NA |
| ## 147 | 147 female | none | 32 | 10 | 211 | married | European | NA |
| ## 148 | 148 male | school | 16 | 40 | 539 | never | European | NA |
| ## 149 | 149 male | school | 27 | 45 | 741 | never | Maori | NA |
| ## 150 | 150 male | vocational | 40 | 45 | 768 | married | European | NA |
| ## 151 | 151 male | vocational | 18 | 40 | 1099 | other | European | NA |
| ## 152 | 152 female | school | 18 | 17 | 255 | never | European | NA |
| ## 153 | 153 male | none | 33 | 40 | 496 | married | Maori | NA |
| ## 154 | 154 female | vocational | 27 | 39 | 724 | other | European | NA |
| ## 155 | 155 female | vocational | 26 | 42 | 431 | married | European | NA |
| ## 156 | 156 male | vocational | 37 | 40 | 819 | married | European | NA |
| ## 157 | 157 male | degree | 36 | 38 | 849 | married | European | NA |
| ## 158 | 158 female | degree | 39 | 55 | 1152 | other | European | NA |
| ## 159 | 159 female | vocational | 42 | 27 | 525 | married | other | NA |
| ## 160 | 160 male | vocational | 30 | 24 | 463 | never | European | NA |

| | | | | | | | | | |
|--------|-----|--------|------------|----|----|------|------------|----------|----|
| ## 161 | 161 | male | vocational | 22 | 65 | 884 | never | European | NA |
| ## 162 | 162 | male | vocational | 35 | 45 | 700 | married | European | NA |
| ## 163 | 163 | female | vocational | 25 | 25 | 409 | never | Maori | NA |
| ## 164 | 164 | female | vocational | 42 | 24 | 437 | previously | European | NA |
| ## 165 | 165 | female | none | 45 | 40 | 439 | never | European | NA |
| ## 166 | 166 | female | school | 18 | 4 | 45 | never | Maori | NA |
| ## 167 | 167 | female | school | 16 | 9 | 232 | never | European | NA |
| ## 168 | 168 | female | vocational | 16 | 46 | 781 | married | European | NA |
| ## 169 | 169 | male | school | 25 | 40 | 506 | never | European | NA |
| ## 170 | 170 | female | vocational | 22 | 40 | 442 | never | European | NA |
| ## 171 | 171 | male | vocational | 20 | 58 | 1147 | other | other | NA |
| ## 172 | 172 | male | school | 19 | 32 | 156 | never | European | NA |
| ## 173 | 173 | female | school | 20 | 10 | 62 | never | European | NA |
| ## 174 | 174 | female | vocational | 33 | 48 | 801 | married | European | NA |
| ## 175 | 175 | male | school | 21 | 50 | 867 | never | Maori | NA |
| ## 176 | 176 | female | school | 30 | 19 | 282 | never | European | NA |
| ## 177 | 177 | female | school | 37 | 20 | 425 | married | European | NA |
| ## 178 | 178 | male | vocational | 45 | 40 | 564 | never | European | NA |
| ## 179 | 179 | female | none | 15 | 40 | 323 | other | Maori | NA |
| ## 180 | 180 | male | school | 18 | 60 | 759 | never | other | NA |
| ## 181 | 181 | male | school | 28 | 20 | 161 | never | European | NA |
| ## 182 | 182 | male | vocational | 34 | 40 | 863 | previously | European | NA |
| ## 183 | 183 | male | school | 22 | 40 | 375 | never | European | NA |
| ## 184 | 184 | male | school | 18 | 45 | 455 | never | European | NA |
| ## 185 | 185 | male | school | 23 | 40 | 706 | never | European | NA |
| ## 186 | 186 | female | school | 16 | 20 | 264 | never | European | NA |
| ## 187 | 187 | female | none | 42 | 40 | 614 | never | European | NA |
| ## 188 | 188 | female | vocational | 25 | 8 | 132 | never | European | NA |
| ## 189 | 189 | female | school | 39 | 15 | 288 | previously | European | NA |
| ## 190 | 190 | female | degree | 32 | 40 | 581 | married | European | NA |
| ## 191 | 191 | female | none | 15 | 8 | 172 | never | European | NA |
| ## 192 | 192 | female | school | 28 | 8 | 227 | never | Pacific | NA |
| ## 193 | 193 | male | vocational | 36 | 40 | 927 | other | European | NA |
| ## 194 | 194 | female | degree | 32 | 20 | 746 | previously | European | NA |
| ## 195 | 195 | female | school | 21 | 35 | 485 | never | European | NA |
| ## 196 | 196 | female | school | 45 | 24 | 386 | married | European | NA |
| ## 197 | 197 | male | degree | 26 | 50 | 1789 | never | European | NA |
| ## 198 | 198 | male | degree | 25 | 45 | 1558 | never | European | NA |
| ## 199 | 199 | female | none | 38 | 20 | 230 | married | European | NA |
| ## 200 | 200 | male | school | 31 | 50 | 954 | never | European | NA |

```
allpoke("allpokemon.csv", "Total")
```

Pokemons Total Strength



```
## [1] 318 405 525 625 309 405 534 634 634 314 405 530 630 195 205 395 195
## [18] 205 395 495 251 349 479 579 253 253 413 413 262 442 288 448 320 485
## [35] 485 300 300 450 450 275 365 505 273 365 505 323 483 299 299 505 505
## [52] 270 435 245 455 320 395 490 285 405 305 450 265 265 425 425 290 290
## [69] 440 440 320 500 305 455 350 555 300 385 510 310 400 500 600 305 405
## [86] 505 300 390 490 335 515 300 300 390 390 495 495 410 500 315 490 590
## [103] 325 465 377 310 470 325 475 325 325 500 500 305 525 310 405 500 600
## [120] 385 328 483 325 475 330 490 325 530 530 320 425 425 455 455 385 340
## [137] 490 345 485 450 435 490 590 295 440 320 450 340 520 460 500 455 490
## [154] 495 500 600 490 200 540 640 535 288 325 525 525 525 395 355 495 355
## [171] 495 515 615 540 580 580 580 300 420 600 680 780 780 600 318 405 525
## [188] 309 405 534 314 405 530 215 415 262 452 265 390 250 400 535 330 460
## [205] 205 218 210 245 405 320 470 280 365 510 610 490 250 420 410 500 250
## [222] 340 460 360 180 425 390 210 430 525 525 405 490 435 336 405 455 290
## [239] 465 415 430 510 610 300 450 440 500 600 505 500 600 430 330 500 250
## [256] 430 250 450 410 300 480 330 485 465 330 500 600 540 330 500 515 465
## [273] 250 210 455 305 360 365 490 540 580 580 580 300 410 600 700 680 680
## [290] 600 310 405 530 630 310 405 530 630 310 405 535 635 220 420 240 420
## [307] 195 205 395 205 385 220 340 480 220 340 480 270 455 270 440 198 278
## [324] 518 618 269 454 295 460 280 440 670 266 456 236 240 360 490 237 474
## [341] 190 375 260 400 380 480 380 480 330 430 530 630 280 410 510 295 475
## [358] 575 405 405 430 430 400 302 467 305 460 560 400 500 305 460 560 470
## [375] 330 470 360 290 340 520 335 475 310 490 590 458 458 460 460 288 468
## [392] 308 468 300 500 355 495 355 495 200 540 420 440 295 455 555 295 455
## [409] 460 455 465 565 260 300 480 580 290 410 530 345 485 485 485 330 300
## [426] 420 600 700 300 420 600 700 580 580 580 600 700 600 700 670 770 670
## [443] 770 680 780 600 600 600 600 600 318 405 525 309 405 534 314 405 530
## [460] 245 340 485 250 410 194 384 263 363 523 280 515 350 495 350 495 224
## [477] 424 424 424 424 244 474 405 330 495 275 450 325 475 482 348 498 350
## [494] 480 580 495 505 310 452 285 329 479 300 500 290 310 220 411 485 300
## [511] 410 600 700 390 285 525 625 330 525 330 500 300 490 454 330 460 345
## [528] 334 494 594 510 535 515 535 535 540 540 545 515 525 525 510 530 535
## [545] 518 618 525 525 480 440 520 520 520 520 520 580 580 580 680 680 600
## [562] 670 680 680 600 480 600 600 600 600 720 600 308 413 528 308 418 528
## [579] 308 413 528 255 420 275 370 500 281 446 316 498 316 498 316 498 292
## [596] 487 264 358 488 295 497 280 390 515 323 425 328 508 445 545 305 405
## [613] 505 294 384 509 465 465 310 380 500 260 360 485 280 480 280 480 460
## [630] 292 351 519 315 480 540 461 325 485 348 488 490 303 483 355 495 401
## [647] 567 329 474 330 510 300 470 290 390 490 290 370 490 305 473 305 395
## [664] 535 335 475 428 315 495 294 464 335 480 470 319 472 305 489 300 440
## [681] 520 275 405 515 335 485 275 370 520 320 410 540 305 505 515 305 495
## [698] 471 350 510 485 303 483 340 490 490 350 510 370 510 484 484 300 420
## [715] 600 360 550 580 580 580 580 580 580 680 680 600 600 660 700 700
## [732] 580 580 600 600 600 313 405 530 307 409 534 314 405 530 640 237 423
## [749] 278 382 499 200 213 411 369 507 303 371 552 350 531 348 495 472 355
## [766] 466 466 325 448 520 520 341 462 341 480 288 482 306 500 320 494 330
## [783] 500 289 481 362 521 362 521 525 500 431 500 300 452 600 470 309 474
## [800] 335 335 335 335 494 494 494 494 304 514 245 535 680 680 600 486 708
## [817] 600 700 600 680 600 320 420 530 320 420 530 320 420 530 265 355 485
## [834] 253 418 300 400 500 338 478 476 476 476 476 304 464 280 487 487 487
## [851] 175 620 305 495 385 500 269 454 250 480 285 405 320 480 340 500 210
## [868] 290 510 485 490 490 230 530 320 480 410 534 570 440 500 480 485 435
```

```
## [885] 476 475 485 517 300 420 600 570 570 570 570 200 400 680 680 570 570
## [902] 570 570 570 570 570 600 680 680 754 600 600 420 540 570 570 600
```

| ## | X. | Name | Type1 | Type2 | Total | HP | Attack | |
|-------|----|---------------------------|----------|---------|-------|-----|--------|----|
| ## 1 | 1 | Bulbasaur | Grass | Poison | 318 | 45 | 49 | |
| ## 2 | 2 | Ivysaur | Grass | Poison | 405 | 60 | 62 | |
| ## 3 | 3 | Venusaur | Grass | Poison | 525 | 80 | 82 | |
| ## 4 | 3 | VenusaurMega Venusaur | Grass | Poison | 625 | 80 | 100 | |
| ## 5 | 4 | Charmander | Fire | | 309 | 39 | 52 | |
| ## 6 | 5 | Charmeleon | Fire | | 405 | 58 | 64 | |
| ## 7 | 6 | Charizard | Fire | Flying | 534 | 78 | 84 | |
| ## 8 | 6 | CharizardMega Charizard X | Fire | Dragon | 634 | 78 | 130 | |
| ## 9 | 6 | CharizardMega Charizard Y | Fire | Flying | 634 | 78 | 104 | |
| ## 10 | 7 | Squirtle | Water | | 314 | 44 | 48 | |
| ## 11 | 8 | Wartortle | Water | | 405 | 59 | 63 | |
| ## 12 | 9 | Blastoise | Water | | 530 | 79 | 83 | |
| ## 13 | 9 | BlastoiseMega Blastoise | Water | | 630 | 79 | 103 | |
| ## 14 | 10 | Caterpie | Bug | | 195 | 45 | 30 | |
| ## 15 | 11 | Metapod | Bug | | 205 | 50 | 20 | |
| ## 16 | 12 | Butterfree | Bug | Flying | 395 | 60 | 45 | |
| ## 17 | 13 | Weedle | Bug | Poison | 195 | 40 | 35 | |
| ## 18 | 14 | Kakuna | Bug | Poison | 205 | 45 | 25 | |
| ## 19 | 15 | Beedrill | Bug | Poison | 395 | 65 | 90 | |
| ## 20 | 15 | BeedrillMega Beedrill | Bug | Poison | 495 | 65 | 150 | |
| ## 21 | 16 | Pidgey | Normal | Flying | 251 | 40 | 45 | |
| ## 22 | 17 | Pidgeotto | Normal | Flying | 349 | 63 | 60 | |
| ## 23 | 18 | Pidgeot | Normal | Flying | 479 | 83 | 80 | |
| ## 24 | 18 | PidgeotMega Pidgeot | Normal | Flying | 579 | 83 | 80 | |
| ## 25 | 19 | Rattata | Normal | | 253 | 30 | 56 | |
| ## 26 | 19 | RattataAlolan Rattata | Dark | Normal | 253 | 30 | 56 | |
| ## 27 | 20 | Raticate | Normal | | 413 | 55 | 81 | |
| ## 28 | 20 | RaticateAlolan Raticate | Dark | Normal | 413 | 75 | 71 | |
| ## 29 | 21 | Spearow | Normal | Flying | 262 | 40 | 60 | |
| ## 30 | 22 | Fearow | Normal | Flying | 442 | 65 | 90 | |
| ## 31 | 23 | Ekans | Poison | | 288 | 35 | 60 | |
| ## 32 | 24 | Arbok | Poison | | 448 | 60 | 95 | |
| ## 33 | 25 | Pikachu | Electric | | 320 | 35 | 55 | |
| ## 34 | 26 | Raichu | Electric | | 485 | 60 | 90 | |
| ## 35 | 26 | RaichuAlolan Raichu | Electric | Psychic | 485 | 60 | 85 | |
| ## 36 | 27 | Sandshrew | Ground | | 300 | 50 | 75 | |
| ## 37 | 27 | SandshrewAlolan Sandshrew | Ice | Steel | 300 | 50 | 75 | |
| ## 38 | 28 | Sandslash | Ground | | 450 | 75 | 100 | |
| ## 39 | 28 | SandslashAlolan Sandslash | Ice | Steel | 450 | 75 | 100 | |
| ## 40 | 29 | Nidoran♀\231\200 | Poison | | | 275 | 55 | 47 |
| ## 41 | 30 | Nidorina | Poison | | 365 | 70 | 62 | |
| ## 42 | 31 | Nidoqueen | Poison | Ground | 505 | 90 | 92 | |
| ## 43 | 32 | Nidoran♀\231, | Poison | | 273 | 46 | 57 | |
| ## 44 | 33 | Nidorino | Poison | | 365 | 61 | 72 | |
| ## 45 | 34 | Nidoking | Poison | Ground | 505 | 81 | 102 | |
| ## 46 | 35 | Clefairy | Fairy | | 323 | 70 | 45 | |
| ## 47 | 36 | Clefable | Fairy | | 483 | 95 | 70 | |
| ## 48 | 37 | Vulpix | Fire | | 299 | 38 | 41 | |
| ## 49 | 37 | VulpixAlolan Vulpix | Ice | | 299 | 38 | 41 | |
| ## 50 | 38 | Ninetales | Fire | | 505 | 73 | 76 | |
| ## 51 | 38 | NinetalesAlolan Ninetales | Ice | Fairy | 505 | 73 | 67 | |
| ## 52 | 39 | Jigglypuff | Normal | Fairy | 270 | 115 | 45 | |

| | | | | | | | |
|--------|----|-------------------------|----------|----------|-----|-----|-----|
| ## 53 | 40 | Wigglytuff | Normal | Fairy | 435 | 140 | 70 |
| ## 54 | 41 | Zubat | Poison | Flying | 245 | 40 | 45 |
| ## 55 | 42 | Golbat | Poison | Flying | 455 | 75 | 80 |
| ## 56 | 43 | Oddish | Grass | Poison | 320 | 45 | 50 |
| ## 57 | 44 | Gloom | Grass | Poison | 395 | 60 | 65 |
| ## 58 | 45 | Vileplume | Grass | Poison | 490 | 75 | 80 |
| ## 59 | 46 | Paras | Bug | Grass | 285 | 35 | 70 |
| ## 60 | 47 | Parasect | Bug | Grass | 405 | 60 | 95 |
| ## 61 | 48 | Venonat | Bug | Poison | 305 | 60 | 55 |
| ## 62 | 49 | Venomoth | Bug | Poison | 450 | 70 | 65 |
| ## 63 | 50 | Diglett | Ground | | 265 | 10 | 55 |
| ## 64 | 50 | DiglettAlolan Diglett | Ground | Steel | 265 | 10 | 55 |
| ## 65 | 51 | Dugtrio | Ground | | 425 | 35 | 100 |
| ## 66 | 51 | DugtrioAlolan Dugtrio | Ground | Steel | 425 | 35 | 100 |
| ## 67 | 52 | Meowth | Normal | | 290 | 40 | 45 |
| ## 68 | 52 | MeowthAlolan Meowth | Dark | | 290 | 40 | 35 |
| ## 69 | 53 | Persian | Normal | | 440 | 65 | 70 |
| ## 70 | 53 | PersianAlolan Persian | Dark | | 440 | 65 | 60 |
| ## 71 | 54 | Psyduck | Water | | 320 | 50 | 52 |
| ## 72 | 55 | Golduck | Water | | 500 | 80 | 82 |
| ## 73 | 56 | Mankey | Fighting | | 305 | 40 | 80 |
| ## 74 | 57 | Primeape | Fighting | | 455 | 65 | 105 |
| ## 75 | 58 | Growlithe | Fire | | 350 | 55 | 70 |
| ## 76 | 59 | Arcanine | Fire | | 555 | 90 | 110 |
| ## 77 | 60 | Poliwag | Water | | 300 | 40 | 50 |
| ## 78 | 61 | Poliwhirl | Water | | 385 | 65 | 65 |
| ## 79 | 62 | Poliwrath | Water | Fighting | 510 | 90 | 95 |
| ## 80 | 63 | Abra | Psychic | | 310 | 25 | 20 |
| ## 81 | 64 | Kadabra | Psychic | | 400 | 40 | 35 |
| ## 82 | 65 | Alakazam | Psychic | | 500 | 55 | 50 |
| ## 83 | 65 | AlakazamMega Alakazam | Psychic | | 600 | 55 | 50 |
| ## 84 | 66 | Machop | Fighting | | 305 | 70 | 80 |
| ## 85 | 67 | Machoke | Fighting | | 405 | 80 | 100 |
| ## 86 | 68 | Machamp | Fighting | | 505 | 90 | 130 |
| ## 87 | 69 | Bellsprout | Grass | Poison | 300 | 50 | 75 |
| ## 88 | 70 | Weepinbell | Grass | Poison | 390 | 65 | 90 |
| ## 89 | 71 | Victreebel | Grass | Poison | 490 | 80 | 105 |
| ## 90 | 72 | Tentacool | Water | Poison | 335 | 40 | 40 |
| ## 91 | 73 | Tentacruel | Water | Poison | 515 | 80 | 70 |
| ## 92 | 74 | Geodude | Rock | Ground | 300 | 40 | 80 |
| ## 93 | 74 | GeodudeAlolan Geodude | Rock | Electric | 300 | 40 | 80 |
| ## 94 | 75 | Graveler | Rock | Ground | 390 | 55 | 95 |
| ## 95 | 75 | GravelerAlolan Graveler | Rock | Electric | 390 | 55 | 95 |
| ## 96 | 76 | Golem | Rock | Ground | 495 | 80 | 120 |
| ## 97 | 76 | GolemAlolan Golem | Rock | Electric | 495 | 80 | 120 |
| ## 98 | 77 | Ponyta | Fire | | 410 | 50 | 85 |
| ## 99 | 78 | Rapidash | Fire | | 500 | 65 | 100 |
| ## 100 | 79 | Slowpoke | Water | Psychic | 315 | 90 | 65 |
| ## 101 | 80 | Slowbro | Water | Psychic | 490 | 95 | 75 |
| ## 102 | 80 | SlowbroMega Slowbro | Water | Psychic | 590 | 95 | 75 |
| ## 103 | 81 | Magnemite | Electric | Steel | 325 | 25 | 35 |
| ## 104 | 82 | Magnetron | Electric | Steel | 465 | 50 | 60 |
| ## 105 | 83 | Farfetch'd | Normal | Flying | 377 | 52 | 90 |
| ## 106 | 84 | Doduo | Normal | Flying | 310 | 35 | 85 |

| | | | | | | | | |
|--------|-----|-----------------|------------|----------|---------|-----|-----|-----|
| ## 107 | 85 | | Dodrio | Normal | Flying | 470 | 60 | 110 |
| ## 108 | 86 | | Seel | Water | | 325 | 65 | 45 |
| ## 109 | 87 | | Dewgong | Water | Ice | 475 | 90 | 70 |
| ## 110 | 88 | | Grimer | Poison | | 325 | 80 | 80 |
| ## 111 | 88 | GrimerAlolan | Grimer | Poison | Dark | 325 | 80 | 80 |
| ## 112 | 89 | | Muk | Poison | | 500 | 105 | 105 |
| ## 113 | 89 | MukAlolan | Muk | Poison | Dark | 500 | 105 | 105 |
| ## 114 | 90 | | Shellder | Water | | 305 | 30 | 65 |
| ## 115 | 91 | | Cloyster | Water | Ice | 525 | 50 | 95 |
| ## 116 | 92 | | Gastly | Ghost | Poison | 310 | 30 | 35 |
| ## 117 | 93 | | Haunter | Ghost | Poison | 405 | 45 | 50 |
| ## 118 | 94 | | Gengar | Ghost | Poison | 500 | 60 | 65 |
| ## 119 | 94 | GengarMega | Gengar | Ghost | Poison | 600 | 60 | 65 |
| ## 120 | 95 | | Onix | Rock | Ground | 385 | 35 | 45 |
| ## 121 | 96 | | Drowzee | Psychic | | 328 | 60 | 48 |
| ## 122 | 97 | | Hypno | Psychic | | 483 | 85 | 73 |
| ## 123 | 98 | | Krabby | Water | | 325 | 30 | 105 |
| ## 124 | 99 | | Kingler | Water | | 475 | 55 | 130 |
| ## 125 | 100 | | Voltorb | Electric | | 330 | 40 | 30 |
| ## 126 | 101 | | Electrode | Electric | | 490 | 60 | 50 |
| ## 127 | 102 | | Exeggcute | Grass | Psychic | 325 | 60 | 40 |
| ## 128 | 103 | | Exeggutor | Grass | Psychic | 530 | 95 | 95 |
| ## 129 | 103 | ExeggutorAlolan | Exeggutor | Grass | Dragon | 530 | 95 | 105 |
| ## 130 | 104 | | Cubone | Ground | | 320 | 50 | 50 |
| ## 131 | 105 | | Marowak | Ground | | 425 | 60 | 80 |
| ## 132 | 105 | MarowakAlolan | Marowak | Fire | Ghost | 425 | 60 | 80 |
| ## 133 | 106 | | Hitmonlee | Fighting | | 455 | 50 | 120 |
| ## 134 | 107 | | Hitmonchan | Fighting | | 455 | 50 | 105 |
| ## 135 | 108 | | Lickitung | Normal | | 385 | 90 | 55 |
| ## 136 | 109 | | Koffing | Poison | | 340 | 40 | 65 |
| ## 137 | 110 | | Weezing | Poison | | 490 | 65 | 90 |
| ## 138 | 111 | | Rhyhorn | Ground | Rock | 345 | 80 | 85 |
| ## 139 | 112 | | Rhydon | Ground | Rock | 485 | 105 | 130 |
| ## 140 | 113 | | Chansey | Normal | | 450 | 250 | 5 |
| ## 141 | 114 | | Tangela | Grass | | 435 | 65 | 55 |
| ## 142 | 115 | | Kangaskhan | Normal | | 490 | 105 | 95 |
| ## 143 | 115 | KangaskhanMega | Kangaskhan | Normal | | 590 | 105 | 125 |
| ## 144 | 116 | | Horsea | Water | | 295 | 30 | 40 |
| ## 145 | 117 | | Seadra | Water | | 440 | 55 | 65 |
| ## 146 | 118 | | Goldeen | Water | | 320 | 45 | 67 |
| ## 147 | 119 | | Seaking | Water | | 450 | 80 | 92 |
| ## 148 | 120 | | Staryu | Water | | 340 | 30 | 45 |
| ## 149 | 121 | | Starmie | Water | Psychic | 520 | 60 | 75 |
| ## 150 | 122 | | Mr. Mime | Psychic | Fairy | 460 | 40 | 45 |
| ## 151 | 123 | | Scyther | Bug | Flying | 500 | 70 | 110 |
| ## 152 | 124 | | Jynx | Ice | Psychic | 455 | 65 | 50 |
| ## 153 | 125 | | Electabuzz | Electric | | 490 | 65 | 83 |
| ## 154 | 126 | | Magmar | Fire | | 495 | 65 | 95 |
| ## 155 | 127 | | Pinsir | Bug | | 500 | 65 | 125 |
| ## 156 | 127 | PinsirMega | Pinsir | Bug | Flying | 600 | 65 | 155 |
| ## 157 | 128 | | Tauros | Normal | | 490 | 75 | 100 |
| ## 158 | 129 | | Magikarp | Water | | 200 | 20 | 10 |
| ## 159 | 130 | | Gyarados | Water | Flying | 540 | 95 | 125 |
| ## 160 | 130 | GyaradosMega | Gyarados | Water | Dark | 640 | 95 | 155 |

| | | | | | | | |
|--------|-----|---------------------------|----------|----------|-----|-----|-----|
| ## 161 | 131 | Lapras | Water | Ice | 535 | 130 | 85 |
| ## 162 | 132 | Ditto | Normal | | 288 | 48 | 48 |
| ## 163 | 133 | Eevee | Normal | | 325 | 55 | 55 |
| ## 164 | 134 | Vaporeon | Water | | 525 | 130 | 65 |
| ## 165 | 135 | Jolteon | Electric | | 525 | 65 | 65 |
| ## 166 | 136 | Flareon | Fire | | 525 | 65 | 130 |
| ## 167 | 137 | Porygon | Normal | | 395 | 65 | 60 |
| ## 168 | 138 | Omanyte | Rock | Water | 355 | 35 | 40 |
| ## 169 | 139 | Omastar | Rock | Water | 495 | 70 | 60 |
| ## 170 | 140 | Kabuto | Rock | Water | 355 | 30 | 80 |
| ## 171 | 141 | Kabutops | Rock | Water | 495 | 60 | 115 |
| ## 172 | 142 | Aerodactyl | Rock | Flying | 515 | 80 | 105 |
| ## 173 | 142 | AerodactylMega Aerodactyl | Rock | Flying | 615 | 80 | 135 |
| ## 174 | 143 | Snorlax | Normal | | 540 | 160 | 110 |
| ## 175 | 144 | Articuno | Ice | Flying | 580 | 90 | 85 |
| ## 176 | 145 | Zapdos | Electric | Flying | 580 | 90 | 90 |
| ## 177 | 146 | Moltres | Fire | Flying | 580 | 90 | 100 |
| ## 178 | 147 | Dratini | Dragon | | 300 | 41 | 64 |
| ## 179 | 148 | Dragonair | Dragon | | 420 | 61 | 84 |
| ## 180 | 149 | Dragonite | Dragon | Flying | 600 | 91 | 134 |
| ## 181 | 150 | Mewtwo | Psychic | | 680 | 106 | 110 |
| ## 182 | 150 | MewtwoMega Mewtwo X | Psychic | Fighting | 780 | 106 | 190 |
| ## 183 | 150 | MewtwoMega Mewtwo Y | Psychic | | 780 | 106 | 150 |
| ## 184 | 151 | Mew | Psychic | | 600 | 100 | 100 |
| ## 185 | 152 | Chikorita | Grass | | 318 | 45 | 49 |
| ## 186 | 153 | Bayleef | Grass | | 405 | 60 | 62 |
| ## 187 | 154 | Meganium | Grass | | 525 | 80 | 82 |
| ## 188 | 155 | Cyndaquil | Fire | | 309 | 39 | 52 |
| ## 189 | 156 | Quilava | Fire | | 405 | 58 | 64 |
| ## 190 | 157 | Typhlosion | Fire | | 534 | 78 | 84 |
| ## 191 | 158 | Totodile | Water | | 314 | 50 | 65 |
| ## 192 | 159 | Croconaw | Water | | 405 | 65 | 80 |
| ## 193 | 160 | Feraligatr | Water | | 530 | 85 | 105 |
| ## 194 | 161 | Sentret | Normal | | 215 | 35 | 46 |
| ## 195 | 162 | Furret | Normal | | 415 | 85 | 76 |
| ## 196 | 163 | Hoothoot | Normal | Flying | 262 | 60 | 30 |
| ## 197 | 164 | Noctowl | Normal | Flying | 452 | 100 | 50 |
| ## 198 | 165 | Ledyba | Bug | Flying | 265 | 40 | 20 |
| ## 199 | 166 | Ledian | Bug | Flying | 390 | 55 | 35 |
| ## 200 | 167 | Spinarak | Bug | Poison | 250 | 40 | 60 |
| ## 201 | 168 | Ariados | Bug | Poison | 400 | 70 | 90 |
| ## 202 | 169 | Crobat | Poison | Flying | 535 | 85 | 90 |
| ## 203 | 170 | Chinchou | Water | Electric | 330 | 75 | 38 |
| ## 204 | 171 | Lanturn | Water | Electric | 460 | 125 | 58 |
| ## 205 | 172 | Pichu | Electric | | 205 | 20 | 40 |
| ## 206 | 173 | Cleffa | Fairy | | 218 | 50 | 25 |
| ## 207 | 174 | Igglybuff | Normal | Fairy | 210 | 90 | 30 |
| ## 208 | 175 | Togepi | Fairy | | 245 | 35 | 20 |
| ## 209 | 176 | Togetic | Fairy | Flying | 405 | 55 | 40 |
| ## 210 | 177 | Natu | Psychic | Flying | 320 | 40 | 50 |
| ## 211 | 178 | Xatu | Psychic | Flying | 470 | 65 | 75 |
| ## 212 | 179 | Mareep | Electric | | 280 | 55 | 40 |
| ## 213 | 180 | Flaaffy | Electric | | 365 | 70 | 55 |
| ## 214 | 181 | Ampharos | Electric | | 510 | 90 | 75 |

| | | | | | | | | |
|----|-----|-----|-------------------------|----------|----------|-----|-----|-----|
| ## | 215 | 181 | AmpharosMega Ampharos | Electric | Dragon | 610 | 90 | 95 |
| ## | 216 | 182 | Bellossom | Grass | | 490 | 75 | 80 |
| ## | 217 | 183 | Marill | Water | Fairy | 250 | 70 | 20 |
| ## | 218 | 184 | Azumarill | Water | Fairy | 420 | 100 | 50 |
| ## | 219 | 185 | Sudowoodo | Rock | | 410 | 70 | 100 |
| ## | 220 | 186 | Politoed | Water | | 500 | 90 | 75 |
| ## | 221 | 187 | Hoppip | Grass | Flying | 250 | 35 | 35 |
| ## | 222 | 188 | Skiploom | Grass | Flying | 340 | 55 | 45 |
| ## | 223 | 189 | Jumpluff | Grass | Flying | 460 | 75 | 55 |
| ## | 224 | 190 | Aipom | Normal | | 360 | 55 | 70 |
| ## | 225 | 191 | Sunkern | Grass | | 180 | 30 | 30 |
| ## | 226 | 192 | Sunflora | Grass | | 425 | 75 | 75 |
| ## | 227 | 193 | Yanma | Bug | Flying | 390 | 65 | 65 |
| ## | 228 | 194 | Wooper | Water | Ground | 210 | 55 | 45 |
| ## | 229 | 195 | Quagsire | Water | Ground | 430 | 95 | 85 |
| ## | 230 | 196 | Espeon | Psychic | | 525 | 65 | 65 |
| ## | 231 | 197 | Umbreon | Dark | | 525 | 95 | 65 |
| ## | 232 | 198 | Murkrow | Dark | Flying | 405 | 60 | 85 |
| ## | 233 | 199 | Slowking | Water | Psychic | 490 | 95 | 75 |
| ## | 234 | 200 | Misdreavus | Ghost | | 435 | 60 | 60 |
| ## | 235 | 201 | Unown | Psychic | | 336 | 48 | 72 |
| ## | 236 | 202 | Wobbuffet | Psychic | | 405 | 190 | 33 |
| ## | 237 | 203 | Girafarig | Normal | Psychic | 455 | 70 | 80 |
| ## | 238 | 204 | Pineco | Bug | | 290 | 50 | 65 |
| ## | 239 | 205 | Forretress | Bug | Steel | 465 | 75 | 90 |
| ## | 240 | 206 | Dunsparce | Normal | | 415 | 100 | 70 |
| ## | 241 | 207 | Gligar | Ground | Flying | 430 | 65 | 75 |
| ## | 242 | 208 | Steelix | Steel | Ground | 510 | 75 | 85 |
| ## | 243 | 208 | SteelixMega Steelix | Steel | Ground | 610 | 75 | 125 |
| ## | 244 | 209 | Snubbull | Fairy | | 300 | 60 | 80 |
| ## | 245 | 210 | Granbull | Fairy | | 450 | 90 | 120 |
| ## | 246 | 211 | Qwilfish | Water | Poison | 440 | 65 | 95 |
| ## | 247 | 212 | Scizor | Bug | Steel | 500 | 70 | 130 |
| ## | 248 | 212 | ScizorMega Scizor | Bug | Steel | 600 | 70 | 150 |
| ## | 249 | 213 | Shuckle | Bug | Rock | 505 | 20 | 10 |
| ## | 250 | 214 | Heracross | Bug | Fighting | 500 | 80 | 125 |
| ## | 251 | 214 | HeracrossMega Heracross | Bug | Fighting | 600 | 80 | 185 |
| ## | 252 | 215 | Sneasel | Dark | Ice | 430 | 55 | 95 |
| ## | 253 | 216 | Teddiursa | Normal | | 330 | 60 | 80 |
| ## | 254 | 217 | Ursaring | Normal | | 500 | 90 | 130 |
| ## | 255 | 218 | Slugma | Fire | | 250 | 40 | 40 |
| ## | 256 | 219 | Magcargo | Fire | Rock | 430 | 60 | 50 |
| ## | 257 | 220 | Swinub | Ice | Ground | 250 | 50 | 50 |
| ## | 258 | 221 | Piloswine | Ice | Ground | 450 | 100 | 100 |
| ## | 259 | 222 | Corsola | Water | Rock | 410 | 65 | 55 |
| ## | 260 | 223 | Remoraid | Water | | 300 | 35 | 65 |
| ## | 261 | 224 | Octillery | Water | | 480 | 75 | 105 |
| ## | 262 | 225 | Delibird | Ice | Flying | 330 | 45 | 55 |
| ## | 263 | 226 | Mantine | Water | Flying | 485 | 85 | 40 |
| ## | 264 | 227 | Skarmory | Steel | Flying | 465 | 65 | 80 |
| ## | 265 | 228 | Houndour | Dark | Fire | 330 | 45 | 60 |
| ## | 266 | 229 | Houndoom | Dark | Fire | 500 | 75 | 90 |
| ## | 267 | 229 | HoundoomMega Houndoom | Dark | Fire | 600 | 75 | 90 |
| ## | 268 | 230 | Kingdra | Water | Dragon | 540 | 75 | 95 |

| | | | | | | | |
|--------|-----|---------------------------|----------|----------|-----|-----|-----|
| ## 269 | 231 | Phanpy | Ground | | 330 | 90 | 60 |
| ## 270 | 232 | Donphan | Ground | | 500 | 90 | 120 |
| ## 271 | 233 | Porygon2 | Normal | | 515 | 85 | 80 |
| ## 272 | 234 | Stantler | Normal | | 465 | 73 | 95 |
| ## 273 | 235 | Smeargle | Normal | | 250 | 55 | 20 |
| ## 274 | 236 | Tyrogue | Fighting | | 210 | 35 | 35 |
| ## 275 | 237 | Hitmontop | Fighting | | 455 | 50 | 95 |
| ## 276 | 238 | Smoochum | Ice | Psychic | 305 | 45 | 30 |
| ## 277 | 239 | Elekid | Electric | | 360 | 45 | 63 |
| ## 278 | 240 | Magby | Fire | | 365 | 45 | 75 |
| ## 279 | 241 | Miltank | Normal | | 490 | 95 | 80 |
| ## 280 | 242 | Blissey | Normal | | 540 | 255 | 10 |
| ## 281 | 243 | Raikou | Electric | | 580 | 90 | 85 |
| ## 282 | 244 | Entei | Fire | | 580 | 115 | 115 |
| ## 283 | 245 | Suicune | Water | | 580 | 100 | 75 |
| ## 284 | 246 | Larvitar | Rock | Ground | 300 | 50 | 64 |
| ## 285 | 247 | Pupitar | Rock | Ground | 410 | 70 | 84 |
| ## 286 | 248 | Tyrannitar | Rock | Dark | 600 | 100 | 134 |
| ## 287 | 248 | TyrannitarMega Tyrannitar | Rock | Dark | 700 | 100 | 164 |
| ## 288 | 249 | Lugia | Psychic | Flying | 680 | 106 | 90 |
| ## 289 | 250 | Ho-oh | Fire | Flying | 680 | 106 | 130 |
| ## 290 | 251 | Celebi | Psychic | Grass | 600 | 100 | 100 |
| ## 291 | 252 | Treecko | Grass | | 310 | 40 | 45 |
| ## 292 | 253 | Grovyle | Grass | | 405 | 50 | 65 |
| ## 293 | 254 | Sceptile | Grass | | 530 | 70 | 85 |
| ## 294 | 254 | SceptileMega Sceptile | Grass | Dragon | 630 | 70 | 110 |
| ## 295 | 255 | Torchic | Fire | | 310 | 45 | 60 |
| ## 296 | 256 | Combusken | Fire | Fighting | 405 | 60 | 85 |
| ## 297 | 257 | Blaziken | Fire | Fighting | 530 | 80 | 120 |
| ## 298 | 257 | BlazikenMega Blaziken | Fire | Fighting | 630 | 80 | 160 |
| ## 299 | 258 | Mudkip | Water | | 310 | 50 | 70 |
| ## 300 | 259 | Marshtomp | Water | Ground | 405 | 70 | 85 |
| ## 301 | 260 | Swampert | Water | Ground | 535 | 100 | 110 |
| ## 302 | 260 | SwampertMega Swampert | Water | Ground | 635 | 100 | 150 |
| ## 303 | 261 | Poochyena | Dark | | 220 | 35 | 55 |
| ## 304 | 262 | Mightyena | Dark | | 420 | 70 | 90 |
| ## 305 | 263 | Zigzagoon | Normal | | 240 | 38 | 30 |
| ## 306 | 264 | Linoone | Normal | | 420 | 78 | 70 |
| ## 307 | 265 | Wurmple | Bug | | 195 | 45 | 45 |
| ## 308 | 266 | Silcoon | Bug | | 205 | 50 | 35 |
| ## 309 | 267 | Beautifly | Bug | Flying | 395 | 60 | 70 |
| ## 310 | 268 | Cascoon | Bug | | 205 | 50 | 35 |
| ## 311 | 269 | Dustox | Bug | Poison | 385 | 60 | 50 |
| ## 312 | 270 | Lotad | Water | Grass | 220 | 40 | 30 |
| ## 313 | 271 | Lombre | Water | Grass | 340 | 60 | 50 |
| ## 314 | 272 | Ludicolo | Water | Grass | 480 | 80 | 70 |
| ## 315 | 273 | Seedot | Grass | | 220 | 40 | 40 |
| ## 316 | 274 | Nuzleaf | Grass | Dark | 340 | 70 | 70 |
| ## 317 | 275 | Shiftry | Grass | Dark | 480 | 90 | 100 |
| ## 318 | 276 | Tailow | Normal | Flying | 270 | 40 | 55 |
| ## 319 | 277 | Swellow | Normal | Flying | 455 | 60 | 85 |
| ## 320 | 278 | Wingull | Water | Flying | 270 | 40 | 30 |
| ## 321 | 279 | Pelipper | Water | Flying | 440 | 60 | 50 |
| ## 322 | 280 | Ralts | Psychic | Fairy | 198 | 28 | 25 |

| | | | | | | | | | |
|----|-----|-----|---------------|------------|----------|----------|-----|-----|-----|
| ## | 323 | 281 | | Kirlia | Psychic | Fairy | 278 | 38 | 35 |
| ## | 324 | 282 | | Gardevoir | Psychic | Fairy | 518 | 68 | 65 |
| ## | 325 | 282 | GardevoirMega | Gardevoir | Psychic | Fairy | 618 | 68 | 85 |
| ## | 326 | 283 | | Surskit | Bug | Water | 269 | 40 | 30 |
| ## | 327 | 284 | | Masquerain | Bug | Flying | 454 | 70 | 60 |
| ## | 328 | 285 | | Shroomish | Grass | | 295 | 60 | 40 |
| ## | 329 | 286 | | Breloom | Grass | Fighting | 460 | 60 | 130 |
| ## | 330 | 287 | | Slakoth | Normal | | 280 | 60 | 60 |
| ## | 331 | 288 | | Vigoroth | Normal | | 440 | 80 | 80 |
| ## | 332 | 289 | | Slaking | Normal | | 670 | 150 | 160 |
| ## | 333 | 290 | | Nincada | Bug | Ground | 266 | 31 | 45 |
| ## | 334 | 291 | | Ninjask | Bug | Flying | 456 | 61 | 90 |
| ## | 335 | 292 | | Shedinja | Bug | Ghost | 236 | 1 | 90 |
| ## | 336 | 293 | | Whismur | Normal | | 240 | 64 | 51 |
| ## | 337 | 294 | | Loudred | Normal | | 360 | 84 | 71 |
| ## | 338 | 295 | | Exploud | Normal | | 490 | 104 | 91 |
| ## | 339 | 296 | | Makuhita | Fighting | | 237 | 72 | 60 |
| ## | 340 | 297 | | Hariyama | Fighting | | 474 | 144 | 120 |
| ## | 341 | 298 | | Azurill | Normal | Fairy | 190 | 50 | 20 |
| ## | 342 | 299 | | Nosepass | Rock | | 375 | 30 | 45 |
| ## | 343 | 300 | | Skitty | Normal | | 260 | 50 | 45 |
| ## | 344 | 301 | | Delcatty | Normal | | 400 | 70 | 65 |
| ## | 345 | 302 | | Sableye | Dark | Ghost | 380 | 50 | 75 |
| ## | 346 | 302 | SableyeMega | Sableye | Dark | Ghost | 480 | 50 | 85 |
| ## | 347 | 303 | | Mawile | Steel | Fairy | 380 | 50 | 85 |
| ## | 348 | 303 | MawileMega | Mawile | Steel | Fairy | 480 | 50 | 105 |
| ## | 349 | 304 | | Aron | Steel | Rock | 330 | 50 | 70 |
| ## | 350 | 305 | | Lairon | Steel | Rock | 430 | 60 | 90 |
| ## | 351 | 306 | | Aggron | Steel | Rock | 530 | 70 | 110 |
| ## | 352 | 306 | AggronMega | Aggron | Steel | | 630 | 70 | 140 |
| ## | 353 | 307 | | Meditite | Fighting | Psychic | 280 | 30 | 40 |
| ## | 354 | 308 | | Medicham | Fighting | Psychic | 410 | 60 | 60 |
| ## | 355 | 308 | MedichamMega | Medicham | Fighting | Psychic | 510 | 60 | 100 |
| ## | 356 | 309 | | Electrike | Electric | | 295 | 40 | 45 |
| ## | 357 | 310 | | Manectric | Electric | | 475 | 70 | 75 |
| ## | 358 | 310 | ManectricMega | Manectric | Electric | | 575 | 70 | 75 |
| ## | 359 | 311 | | Plusle | Electric | | 405 | 60 | 50 |
| ## | 360 | 312 | | Minun | Electric | | 405 | 60 | 40 |
| ## | 361 | 313 | | Volbeat | Bug | | 430 | 65 | 73 |
| ## | 362 | 314 | | Illumise | Bug | | 430 | 65 | 47 |
| ## | 363 | 315 | | Roselia | Grass | Poison | 400 | 50 | 60 |
| ## | 364 | 316 | | Gulpin | Poison | | 302 | 70 | 43 |
| ## | 365 | 317 | | Swalot | Poison | | 467 | 100 | 73 |
| ## | 366 | 318 | | Carvanha | Water | Dark | 305 | 45 | 90 |
| ## | 367 | 319 | | Sharpedo | Water | Dark | 460 | 70 | 120 |
| ## | 368 | 319 | SharpedoMega | Sharpedo | Water | Dark | 560 | 70 | 140 |
| ## | 369 | 320 | | Wailmer | Water | | 400 | 130 | 70 |
| ## | 370 | 321 | | Wailord | Water | | 500 | 170 | 90 |
| ## | 371 | 322 | | Numel | Fire | Ground | 305 | 60 | 60 |
| ## | 372 | 323 | | Camerupt | Fire | Ground | 460 | 70 | 100 |
| ## | 373 | 323 | CameruptMega | Camerupt | Fire | Ground | 560 | 70 | 120 |
| ## | 374 | 324 | | Torkoal | Fire | | 470 | 70 | 85 |
| ## | 375 | 325 | | Spoink | Psychic | | 330 | 60 | 25 |
| ## | 376 | 326 | | Grumpig | Psychic | | 470 | 80 | 45 |

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|------------|-------------------------|---------|---------|-----|-----|-----|
| ## 377 327 | Spinda | Normal | | 360 | 60 | 60 |
| ## 378 328 | Trapinch | Ground | | 290 | 45 | 100 |
| ## 379 329 | Vibrava | Ground | Dragon | 340 | 50 | 70 |
| ## 380 330 | Flygon | Ground | Dragon | 520 | 80 | 100 |
| ## 381 331 | Cacnea | Grass | | 335 | 50 | 85 |
| ## 382 332 | Cacturne | Grass | Dark | 475 | 70 | 115 |
| ## 383 333 | Swablu | Normal | Flying | 310 | 45 | 40 |
| ## 384 334 | Altaria | Dragon | Flying | 490 | 75 | 70 |
| ## 385 334 | AltariaMega Altaria | Dragon | Fairy | 590 | 75 | 110 |
| ## 386 335 | Zangoose | Normal | | 458 | 73 | 115 |
| ## 387 336 | Seviper | Poison | | 458 | 73 | 100 |
| ## 388 337 | Lunatone | Rock | Psychic | 460 | 90 | 55 |
| ## 389 338 | Solrock | Rock | Psychic | 460 | 90 | 95 |
| ## 390 339 | Barboach | Water | Ground | 288 | 50 | 48 |
| ## 391 340 | Whiscash | Water | Ground | 468 | 110 | 78 |
| ## 392 341 | Corphish | Water | | 308 | 43 | 80 |
| ## 393 342 | Crawdaunt | Water | Dark | 468 | 63 | 120 |
| ## 394 343 | Baltoy | Ground | Psychic | 300 | 40 | 40 |
| ## 395 344 | Claydol | Ground | Psychic | 500 | 60 | 70 |
| ## 396 345 | Lileep | Rock | Grass | 355 | 66 | 41 |
| ## 397 346 | Cradily | Rock | Grass | 495 | 86 | 81 |
| ## 398 347 | Anorith | Rock | Bug | 355 | 45 | 95 |
| ## 399 348 | Armaldo | Rock | Bug | 495 | 75 | 125 |
| ## 400 349 | Feebas | Water | | 200 | 20 | 15 |
| ## 401 350 | Milotic | Water | | 540 | 95 | 60 |
| ## 402 351 | Castform | Normal | | 420 | 70 | 70 |
| ## 403 352 | Kecleon | Normal | | 440 | 60 | 90 |
| ## 404 353 | Shuppet | Ghost | | 295 | 44 | 75 |
| ## 405 354 | Banette | Ghost | | 455 | 64 | 115 |
| ## 406 354 | BanetteMega Banette | Ghost | | 555 | 64 | 165 |
| ## 407 355 | Duskull | Ghost | | 295 | 20 | 40 |
| ## 408 356 | Dusclops | Ghost | | 455 | 40 | 70 |
| ## 409 357 | Tropius | Grass | Flying | 460 | 99 | 68 |
| ## 410 358 | Chimecho | Psychic | | 455 | 75 | 50 |
| ## 411 359 | Absol | Dark | | 465 | 65 | 130 |
| ## 412 359 | AbsolMega Absol | Dark | | 565 | 65 | 150 |
| ## 413 360 | Wynaut | Psychic | | 260 | 95 | 23 |
| ## 414 361 | Snorunt | Ice | | 300 | 50 | 50 |
| ## 415 362 | Glalie | Ice | | 480 | 80 | 80 |
| ## 416 362 | GlalieMega Glalie | Ice | | 580 | 80 | 120 |
| ## 417 363 | Spheal | Ice | Water | 290 | 70 | 40 |
| ## 418 364 | Sealeo | Ice | Water | 410 | 90 | 60 |
| ## 419 365 | Walrein | Ice | Water | 530 | 110 | 80 |
| ## 420 366 | Clamperl | Water | | 345 | 35 | 64 |
| ## 421 367 | Huntail | Water | | 485 | 55 | 104 |
| ## 422 368 | Gorebyss | Water | | 485 | 55 | 84 |
| ## 423 369 | Relicanth | Water | Rock | 485 | 100 | 90 |
| ## 424 370 | Luvdisc | Water | | 330 | 43 | 30 |
| ## 425 371 | Bagon | Dragon | | 300 | 45 | 75 |
| ## 426 372 | Shelgon | Dragon | | 420 | 65 | 95 |
| ## 427 373 | Salamence | Dragon | Flying | 600 | 95 | 135 |
| ## 428 373 | SalamenceMega Salamence | Dragon | Flying | 700 | 95 | 145 |
| ## 429 374 | Beldum | Steel | Psychic | 300 | 40 | 55 |
| ## 430 375 | Metang | Steel | Psychic | 420 | 60 | 75 |

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|------------|---------------|------------|----------|----------|-----|-----|-----|
| ## 431 376 | | Metagross | Steel | Psychic | 600 | 80 | 135 |
| ## 432 376 | MetagrossMega | Metagross | Steel | Psychic | 700 | 80 | 145 |
| ## 433 377 | | Regirock | Rock | | 580 | 80 | 100 |
| ## 434 378 | | Regice | Ice | | 580 | 80 | 50 |
| ## 435 379 | | Registeel | Steel | | 580 | 80 | 75 |
| ## 436 380 | | Latias | Dragon | Psychic | 600 | 80 | 80 |
| ## 437 380 | LatiasMega | Latias | Dragon | Psychic | 700 | 80 | 100 |
| ## 438 381 | | Latos | Dragon | Psychic | 600 | 80 | 90 |
| ## 439 381 | LatosMega | Latos | Dragon | Psychic | 700 | 80 | 130 |
| ## 440 382 | | Kyogre | Water | | 670 | 100 | 100 |
| ## 441 382 | KyogrePrimal | Kyogre | Water | | 770 | 100 | 150 |
| ## 442 383 | | Groudon | Ground | | 670 | 100 | 150 |
| ## 443 383 | GroudonPrimal | Groudon | Ground | Fire | 770 | 100 | 180 |
| ## 444 384 | | Rayquaza | Dragon | Flying | 680 | 105 | 150 |
| ## 445 384 | RayquazaMega | Rayquaza | Dragon | Flying | 780 | 105 | 180 |
| ## 446 385 | | Jirachi | Steel | Psychic | 600 | 100 | 100 |
| ## 447 386 | DeoxysNormal | Forme | Psychic | | 600 | 50 | 150 |
| ## 448 386 | DeoxysAttack | Forme | Psychic | | 600 | 50 | 180 |
| ## 449 386 | DeoxysDefense | Forme | Psychic | | 600 | 50 | 70 |
| ## 450 386 | DeoxysSpeed | Forme | Psychic | | 600 | 50 | 95 |
| ## 451 387 | | Turtwig | Grass | | 318 | 55 | 68 |
| ## 452 388 | | Grotle | Grass | | 405 | 75 | 89 |
| ## 453 389 | | Torterra | Grass | Ground | 525 | 95 | 109 |
| ## 454 390 | | Chimchar | Fire | | 309 | 44 | 58 |
| ## 455 391 | | Monferno | Fire | Fighting | 405 | 64 | 78 |
| ## 456 392 | | Infernape | Fire | Fighting | 534 | 76 | 104 |
| ## 457 393 | | Piplup | Water | | 314 | 53 | 51 |
| ## 458 394 | | Prinplup | Water | | 405 | 64 | 66 |
| ## 459 395 | | Empoleon | Water | Steel | 530 | 84 | 86 |
| ## 460 396 | | Starly | Normal | Flying | 245 | 40 | 55 |
| ## 461 397 | | Staravia | Normal | Flying | 340 | 55 | 75 |
| ## 462 398 | | Staraptor | Normal | Flying | 485 | 85 | 120 |
| ## 463 399 | | Bidoof | Normal | | 250 | 59 | 45 |
| ## 464 400 | | Bibarel | Normal | Water | 410 | 79 | 85 |
| ## 465 401 | | Kricketot | Bug | | 194 | 37 | 25 |
| ## 466 402 | | Kricketune | Bug | | 384 | 77 | 85 |
| ## 467 403 | | Shinx | Electric | | 263 | 45 | 65 |
| ## 468 404 | | Luxio | Electric | | 363 | 60 | 85 |
| ## 469 405 | | Luxray | Electric | | 523 | 80 | 120 |
| ## 470 406 | | Budew | Grass | Poison | 280 | 40 | 30 |
| ## 471 407 | | Roserade | Grass | Poison | 515 | 60 | 70 |
| ## 472 408 | | Cranidos | Rock | | 350 | 67 | 125 |
| ## 473 409 | | Rampardos | Rock | | 495 | 97 | 165 |
| ## 474 410 | | Shieldon | Rock | Steel | 350 | 30 | 42 |
| ## 475 411 | | Bastiodon | Rock | Steel | 495 | 60 | 52 |
| ## 476 412 | | Burmy | Bug | | 224 | 40 | 29 |
| ## 477 413 | WormadamPlant | Cloak | Bug | Grass | 424 | 60 | 59 |
| ## 478 413 | WormadamSandy | Cloak | Bug | Ground | 424 | 60 | 79 |
| ## 479 413 | WormadamTrash | Cloak | Bug | Steel | 424 | 60 | 69 |
| ## 480 414 | | Mothim | Bug | Flying | 424 | 70 | 94 |
| ## 481 415 | | Combee | Bug | Flying | 244 | 30 | 30 |
| ## 482 416 | | Vespiquen | Bug | Flying | 474 | 70 | 80 |
| ## 483 417 | | Pachirisu | Electric | | 405 | 60 | 45 |
| ## 484 418 | | Buizel | Water | | 330 | 55 | 65 |

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|------------|---------------|-----------|-----------------|-----|-----|-----|
| ## 485 419 | Floatzel | Water | | 495 | 85 | 105 |
| ## 486 420 | Cherubi | Grass | | 275 | 45 | 35 |
| ## 487 421 | Cherrim | Grass | | 450 | 70 | 60 |
| ## 488 422 | Shellos | Water | | 325 | 76 | 48 |
| ## 489 423 | Gastrodon | Water | Ground | 475 | 111 | 83 |
| ## 490 424 | Ambipom | Normal | | 482 | 75 | 100 |
| ## 491 425 | Drifloon | Ghost | Flying | 348 | 90 | 50 |
| ## 492 426 | Drifblim | Ghost | Flying | 498 | 150 | 80 |
| ## 493 427 | Buneary | Normal | | 350 | 55 | 66 |
| ## 494 428 | Lopunny | Normal | | 480 | 65 | 76 |
| ## 495 428 | LopunnyMega | Lopunny | Normal Fighting | 580 | 65 | 136 |
| ## 496 429 | Mismagius | Ghost | | 495 | 60 | 60 |
| ## 497 430 | Honchkrow | Dark | Flying | 505 | 100 | 125 |
| ## 498 431 | Glameow | Normal | | 310 | 49 | 55 |
| ## 499 432 | Purugly | Normal | | 452 | 71 | 82 |
| ## 500 433 | Chingling | Psychic | | 285 | 45 | 30 |
| ## 501 434 | Stunky | Poison | Dark | 329 | 63 | 63 |
| ## 502 435 | Skuntank | Poison | Dark | 479 | 103 | 93 |
| ## 503 436 | Bronzor | Steel | Psychic | 300 | 57 | 24 |
| ## 504 437 | Bronzong | Steel | Psychic | 500 | 67 | 89 |
| ## 505 438 | Bonsly | Rock | | 290 | 50 | 80 |
| ## 506 439 | Mime Jr. | Psychic | Fairy | 310 | 20 | 25 |
| ## 507 440 | Happiny | Normal | | 220 | 100 | 5 |
| ## 508 441 | Chatot | Normal | Flying | 411 | 76 | 65 |
| ## 509 442 | Spiritomb | Ghost | Dark | 485 | 50 | 92 |
| ## 510 443 | Gible | Dragon | Ground | 300 | 58 | 70 |
| ## 511 444 | Gabite | Dragon | Ground | 410 | 68 | 90 |
| ## 512 445 | Garchomp | Dragon | Ground | 600 | 108 | 130 |
| ## 513 445 | GarchompMega | Garchomp | Dragon Ground | 700 | 108 | 170 |
| ## 514 446 | Munchlax | Normal | | 390 | 135 | 85 |
| ## 515 447 | Riolu | Fighting | | 285 | 40 | 70 |
| ## 516 448 | Lucario | Fighting | Steel | 525 | 70 | 110 |
| ## 517 448 | LucarioMega | Lucario | Fighting Steel | 625 | 70 | 145 |
| ## 518 449 | Hippopotas | Ground | | 330 | 68 | 72 |
| ## 519 450 | Hippowdon | Ground | | 525 | 108 | 112 |
| ## 520 451 | Skorupi | Poison | Bug | 330 | 40 | 50 |
| ## 521 452 | Drapion | Poison | Dark | 500 | 70 | 90 |
| ## 522 453 | Croagunk | Poison | Fighting | 300 | 48 | 61 |
| ## 523 454 | Toxicroak | Poison | Fighting | 490 | 83 | 106 |
| ## 524 455 | Carnivine | Grass | | 454 | 74 | 100 |
| ## 525 456 | Finneon | Water | | 330 | 49 | 49 |
| ## 526 457 | Lumineon | Water | | 460 | 69 | 69 |
| ## 527 458 | Mantyke | Water | Flying | 345 | 45 | 20 |
| ## 528 459 | Snover | Grass | Ice | 334 | 60 | 62 |
| ## 529 460 | Abomasnow | Grass | Ice | 494 | 90 | 92 |
| ## 530 460 | AbomasnowMega | Abomasnow | Grass Ice | 594 | 90 | 132 |
| ## 531 461 | Weavile | Dark | Ice | 510 | 70 | 120 |
| ## 532 462 | Magnezone | Electric | Steel | 535 | 70 | 70 |
| ## 533 463 | Lickilicky | Normal | | 515 | 110 | 85 |
| ## 534 464 | Rhyperior | Ground | Rock | 535 | 115 | 140 |
| ## 535 465 | Tangrowth | Grass | | 535 | 100 | 100 |
| ## 536 466 | Electivire | Electric | | 540 | 75 | 123 |
| ## 537 467 | Magmortar | Fire | | 540 | 75 | 95 |
| ## 538 468 | Togekiss | Fairy | Flying | 545 | 85 | 50 |

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|------------|-----------------------|----------|----------|-----|-----|-----|
| ## 539 469 | Yanmega | Bug | Flying | 515 | 86 | 76 |
| ## 540 470 | Leafeon | Grass | | 525 | 65 | 110 |
| ## 541 471 | Glaceon | Ice | | 525 | 65 | 60 |
| ## 542 472 | Gliscor | Ground | Flying | 510 | 75 | 95 |
| ## 543 473 | Mamoswine | Ice | Ground | 530 | 110 | 130 |
| ## 544 474 | Porygon-Z | Normal | | 535 | 85 | 80 |
| ## 545 475 | Gallade | Psychic | Fighting | 518 | 68 | 125 |
| ## 546 475 | GalladeMega Gallade | Psychic | Fighting | 618 | 68 | 165 |
| ## 547 476 | Probopass | Rock | Steel | 525 | 60 | 55 |
| ## 548 477 | Dusknoir | Ghost | | 525 | 45 | 100 |
| ## 549 478 | Froslass | Ice | Ghost | 480 | 70 | 80 |
| ## 550 479 | Rotom | Electric | Ghost | 440 | 50 | 50 |
| ## 551 479 | RotomHeat Rotom | Electric | Fire | 520 | 50 | 65 |
| ## 552 479 | RotomWash Rotom | Electric | Water | 520 | 50 | 65 |
| ## 553 479 | RotomFrost Rotom | Electric | Ice | 520 | 50 | 65 |
| ## 554 479 | RotomFan Rotom | Electric | Flying | 520 | 50 | 65 |
| ## 555 479 | RotomMow Rotom | Electric | Grass | 520 | 50 | 65 |
| ## 556 480 | Uxie | Psychic | | 580 | 75 | 75 |
| ## 557 481 | Mesprit | Psychic | | 580 | 80 | 105 |
| ## 558 482 | Azelf | Psychic | | 580 | 75 | 125 |
| ## 559 483 | Dialga | Steel | Dragon | 680 | 100 | 120 |
| ## 560 484 | Palkia | Water | Dragon | 680 | 90 | 120 |
| ## 561 485 | Heatran | Fire | Steel | 600 | 91 | 90 |
| ## 562 486 | Regigigas | Normal | | 670 | 110 | 160 |
| ## 563 487 | GiratinaAltered Forme | Ghost | Dragon | 680 | 150 | 100 |
| ## 564 487 | GiratinaOrigin Forme | Ghost | Dragon | 680 | 150 | 120 |
| ## 565 488 | Cresselia | Psychic | | 600 | 120 | 70 |
| ## 566 489 | Phione | Water | | 480 | 80 | 80 |
| ## 567 490 | Manaphy | Water | | 600 | 100 | 100 |
| ## 568 491 | Darkrai | Dark | | 600 | 70 | 90 |
| ## 569 492 | ShayminLand Forme | Grass | | 600 | 100 | 100 |
| ## 570 492 | ShayminSky Forme | Grass | Flying | 600 | 100 | 103 |
| ## 571 493 | Arceus | Normal | | 720 | 120 | 120 |
| ## 572 494 | Victini | Psychic | Fire | 600 | 100 | 100 |
| ## 573 495 | Snivy | Grass | | 308 | 45 | 45 |
| ## 574 496 | Servine | Grass | | 413 | 60 | 60 |
| ## 575 497 | Serperior | Grass | | 528 | 75 | 75 |
| ## 576 498 | Tepig | Fire | | 308 | 65 | 63 |
| ## 577 499 | Pignite | Fire | Fighting | 418 | 90 | 93 |
| ## 578 500 | Emboar | Fire | Fighting | 528 | 110 | 123 |
| ## 579 501 | Oshawott | Water | | 308 | 55 | 55 |
| ## 580 502 | Dewott | Water | | 413 | 75 | 75 |
| ## 581 503 | Samurott | Water | | 528 | 95 | 100 |
| ## 582 504 | Patrat | Normal | | 255 | 45 | 55 |
| ## 583 505 | Watchog | Normal | | 420 | 60 | 85 |
| ## 584 506 | Lillipup | Normal | | 275 | 45 | 60 |
| ## 585 507 | Herdier | Normal | | 370 | 65 | 80 |
| ## 586 508 | Stoutland | Normal | | 500 | 85 | 110 |
| ## 587 509 | Purrloin | Dark | | 281 | 41 | 50 |
| ## 588 510 | Liepard | Dark | | 446 | 64 | 88 |
| ## 589 511 | Pansage | Grass | | 316 | 50 | 53 |
| ## 590 512 | Simisage | Grass | | 498 | 75 | 98 |
| ## 591 513 | Pansear | Fire | | 316 | 50 | 53 |
| ## 592 514 | Simisear | Fire | | 498 | 75 | 98 |

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|--------|-----|-------------------------|----------|----------|-----|-----|-----|
| ## 593 | 515 | Panpour | Water | | 316 | 50 | 53 |
| ## 594 | 516 | Simipour | Water | | 498 | 75 | 98 |
| ## 595 | 517 | Munna | Psychic | | 292 | 76 | 25 |
| ## 596 | 518 | Musharna | Psychic | | 487 | 116 | 55 |
| ## 597 | 519 | Pidove | Normal | Flying | 264 | 50 | 55 |
| ## 598 | 520 | Tranquill | Normal | Flying | 358 | 62 | 77 |
| ## 599 | 521 | Unfezant | Normal | Flying | 488 | 80 | 115 |
| ## 600 | 522 | Blitzle | Electric | | 295 | 45 | 60 |
| ## 601 | 523 | Zebstrika | Electric | | 497 | 75 | 100 |
| ## 602 | 524 | Roggenrola | Rock | | 280 | 55 | 75 |
| ## 603 | 525 | Boldore | Rock | | 390 | 70 | 105 |
| ## 604 | 526 | Gigalith | Rock | | 515 | 85 | 135 |
| ## 605 | 527 | Woobat | Psychic | Flying | 323 | 65 | 45 |
| ## 606 | 528 | Swoobat | Psychic | Flying | 425 | 67 | 57 |
| ## 607 | 529 | Drilbur | Ground | | 328 | 60 | 85 |
| ## 608 | 530 | Excadrill | Ground | Steel | 508 | 110 | 135 |
| ## 609 | 531 | Audino | Normal | | 445 | 103 | 60 |
| ## 610 | 531 | AudinoMega Audino | Normal | Fairy | 545 | 103 | 60 |
| ## 611 | 532 | Timburr | Fighting | | 305 | 75 | 80 |
| ## 612 | 533 | Gurdurr | Fighting | | 405 | 85 | 105 |
| ## 613 | 534 | Conkeldurr | Fighting | | 505 | 105 | 140 |
| ## 614 | 535 | Tympole | Water | | 294 | 50 | 50 |
| ## 615 | 536 | Palpitoad | Water | Ground | 384 | 75 | 65 |
| ## 616 | 537 | Seismitoad | Water | Ground | 509 | 105 | 95 |
| ## 617 | 538 | Throh | Fighting | | 465 | 120 | 100 |
| ## 618 | 539 | Sawk | Fighting | | 465 | 75 | 125 |
| ## 619 | 540 | Sewaddle | Bug | Grass | 310 | 45 | 53 |
| ## 620 | 541 | Swadloon | Bug | Grass | 380 | 55 | 63 |
| ## 621 | 542 | Leavanny | Bug | Grass | 500 | 75 | 103 |
| ## 622 | 543 | Venipede | Bug | Poison | 260 | 30 | 45 |
| ## 623 | 544 | Whirlipede | Bug | Poison | 360 | 40 | 55 |
| ## 624 | 545 | Scolipede | Bug | Poison | 485 | 60 | 100 |
| ## 625 | 546 | Cottonee | Grass | Fairy | 280 | 40 | 27 |
| ## 626 | 547 | Whimsicott | Grass | Fairy | 480 | 60 | 67 |
| ## 627 | 548 | Petilil | Grass | | 280 | 45 | 35 |
| ## 628 | 549 | Lilligant | Grass | | 480 | 70 | 60 |
| ## 629 | 550 | Basculin | Water | | 460 | 70 | 92 |
| ## 630 | 551 | Sandile | Ground | Dark | 292 | 50 | 72 |
| ## 631 | 552 | Krokorok | Ground | Dark | 351 | 60 | 82 |
| ## 632 | 553 | Krookodile | Ground | Dark | 519 | 95 | 117 |
| ## 633 | 554 | Darumaka | Fire | | 315 | 70 | 90 |
| ## 634 | 555 | DarmanitanStandard Mode | Fire | | 480 | 105 | 140 |
| ## 635 | 555 | DarmanitanZen Mode | Fire | Psychic | 540 | 105 | 30 |
| ## 636 | 556 | Maractus | Grass | | 461 | 75 | 86 |
| ## 637 | 557 | Dwebble | Bug | Rock | 325 | 50 | 65 |
| ## 638 | 558 | Crustle | Bug | Rock | 485 | 70 | 105 |
| ## 639 | 559 | Scraggy | Dark | Fighting | 348 | 50 | 75 |
| ## 640 | 560 | Scrafty | Dark | Fighting | 488 | 65 | 90 |
| ## 641 | 561 | Sigilyph | Psychic | Flying | 490 | 72 | 58 |
| ## 642 | 562 | Yamask | Ghost | | 303 | 38 | 30 |
| ## 643 | 563 | Cofagrirus | Ghost | | 483 | 58 | 50 |
| ## 644 | 564 | Tirtouga | Water | Rock | 355 | 54 | 78 |
| ## 645 | 565 | Carracosta | Water | Rock | 495 | 74 | 108 |
| ## 646 | 566 | Archen | Rock | Flying | 401 | 55 | 112 |

| | | | | | | | |
|--------|-----|------------|----------|----------|-----|-----|-----|
| ## 647 | 567 | Archeops | Rock | Flying | 567 | 75 | 140 |
| ## 648 | 568 | Trubbish | Poison | | 329 | 50 | 50 |
| ## 649 | 569 | Garbodor | Poison | | 474 | 80 | 95 |
| ## 650 | 570 | Zorua | Dark | | 330 | 40 | 65 |
| ## 651 | 571 | Zoroark | Dark | | 510 | 60 | 105 |
| ## 652 | 572 | Minccino | Normal | | 300 | 55 | 50 |
| ## 653 | 573 | Cinccino | Normal | | 470 | 75 | 95 |
| ## 654 | 574 | Gothita | Psychic | | 290 | 45 | 30 |
| ## 655 | 575 | Gothorita | Psychic | | 390 | 60 | 45 |
| ## 656 | 576 | Gothitelle | Psychic | | 490 | 70 | 55 |
| ## 657 | 577 | Solosis | Psychic | | 290 | 45 | 30 |
| ## 658 | 578 | Duosion | Psychic | | 370 | 65 | 40 |
| ## 659 | 579 | Reuniclus | Psychic | | 490 | 110 | 65 |
| ## 660 | 580 | Ducklett | Water | Flying | 305 | 62 | 44 |
| ## 661 | 581 | Swanna | Water | Flying | 473 | 75 | 87 |
| ## 662 | 582 | Vanillite | Ice | | 305 | 36 | 50 |
| ## 663 | 583 | Vanillish | Ice | | 395 | 51 | 65 |
| ## 664 | 584 | Vanilluxe | Ice | | 535 | 71 | 95 |
| ## 665 | 585 | Deerling | Normal | Grass | 335 | 60 | 60 |
| ## 666 | 586 | Sawsbuck | Normal | Grass | 475 | 80 | 100 |
| ## 667 | 587 | Emolga | Electric | Flying | 428 | 55 | 75 |
| ## 668 | 588 | Karrablast | Bug | | 315 | 50 | 75 |
| ## 669 | 589 | Escavalier | Bug | Steel | 495 | 70 | 135 |
| ## 670 | 590 | Foongus | Grass | Poison | 294 | 69 | 55 |
| ## 671 | 591 | Amoonguss | Grass | Poison | 464 | 114 | 85 |
| ## 672 | 592 | Frillish | Water | Ghost | 335 | 55 | 40 |
| ## 673 | 593 | Jellicent | Water | Ghost | 480 | 100 | 60 |
| ## 674 | 594 | Alomomola | Water | | 470 | 165 | 75 |
| ## 675 | 595 | Joltik | Bug | Electric | 319 | 50 | 47 |
| ## 676 | 596 | Galvantula | Bug | Electric | 472 | 70 | 77 |
| ## 677 | 597 | Ferroseed | Grass | Steel | 305 | 44 | 50 |
| ## 678 | 598 | Ferrothorn | Grass | Steel | 489 | 74 | 94 |
| ## 679 | 599 | Klink | Steel | | 300 | 40 | 55 |
| ## 680 | 600 | Klang | Steel | | 440 | 60 | 80 |
| ## 681 | 601 | Klinklang | Steel | | 520 | 60 | 100 |
| ## 682 | 602 | Tynamo | Electric | | 275 | 35 | 55 |
| ## 683 | 603 | Eelektrik | Electric | | 405 | 65 | 85 |
| ## 684 | 604 | Eelektross | Electric | | 515 | 85 | 115 |
| ## 685 | 605 | Elgyem | Psychic | | 335 | 55 | 55 |
| ## 686 | 606 | Beheeyem | Psychic | | 485 | 75 | 75 |
| ## 687 | 607 | Litwick | Ghost | Fire | 275 | 50 | 30 |
| ## 688 | 608 | Lampent | Ghost | Fire | 370 | 60 | 40 |
| ## 689 | 609 | Chandelure | Ghost | Fire | 520 | 60 | 55 |
| ## 690 | 610 | Axew | Dragon | | 320 | 46 | 87 |
| ## 691 | 611 | Fraxure | Dragon | | 410 | 66 | 117 |
| ## 692 | 612 | Haxorus | Dragon | | 540 | 76 | 147 |
| ## 693 | 613 | Cubchoo | Ice | | 305 | 55 | 70 |
| ## 694 | 614 | Beartic | Ice | | 505 | 95 | 130 |
| ## 695 | 615 | Cryogonal | Ice | | 515 | 80 | 50 |
| ## 696 | 616 | Shelmet | Bug | | 305 | 50 | 40 |
| ## 697 | 617 | Accelgor | Bug | | 495 | 80 | 70 |
| ## 698 | 618 | Stunfisk | Ground | Electric | 471 | 109 | 66 |
| ## 699 | 619 | Mienfoo | Fighting | | 350 | 45 | 85 |
| ## 700 | 620 | Mienshao | Fighting | | 510 | 65 | 125 |

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|------------|--------------------------|----------|----------|-----|-----|-----|
| ## 701 621 | Druddigon | Dragon | | 485 | 77 | 120 |
| ## 702 622 | Golett | Ground | Ghost | 303 | 59 | 74 |
| ## 703 623 | Golurk | Ground | Ghost | 483 | 89 | 124 |
| ## 704 624 | Pawniard | Dark | Steel | 340 | 45 | 85 |
| ## 705 625 | Bisharp | Dark | Steel | 490 | 65 | 125 |
| ## 706 626 | Bouffalant | Normal | | 490 | 95 | 110 |
| ## 707 627 | Rufflet | Normal | Flying | 350 | 70 | 83 |
| ## 708 628 | Braviary | Normal | Flying | 510 | 100 | 123 |
| ## 709 629 | Vullaby | Dark | Flying | 370 | 70 | 55 |
| ## 710 630 | Mandibuzz | Dark | Flying | 510 | 110 | 65 |
| ## 711 631 | Heatmor | Fire | | 484 | 85 | 97 |
| ## 712 632 | Durant | Bug | Steel | 484 | 58 | 109 |
| ## 713 633 | Deino | Dark | Dragon | 300 | 52 | 65 |
| ## 714 634 | Zweilous | Dark | Dragon | 420 | 72 | 85 |
| ## 715 635 | Hydreigon | Dark | Dragon | 600 | 92 | 105 |
| ## 716 636 | Larvesta | Bug | Fire | 360 | 55 | 85 |
| ## 717 637 | Volcarona | Bug | Fire | 550 | 85 | 60 |
| ## 718 638 | Cobalion | Steel | Fighting | 580 | 91 | 90 |
| ## 719 639 | Terrakion | Rock | Fighting | 580 | 91 | 129 |
| ## 720 640 | Virizion | Grass | Fighting | 580 | 91 | 90 |
| ## 721 641 | TornadusIncarnate Forme | Flying | | 580 | 79 | 115 |
| ## 722 641 | TornadusTherian Forme | Flying | | 580 | 79 | 100 |
| ## 723 642 | ThundurusIncarnate Forme | Electric | Flying | 580 | 79 | 115 |
| ## 724 642 | ThundurusTherian Forme | Electric | Flying | 580 | 79 | 105 |
| ## 725 643 | Reshiram | Dragon | Fire | 680 | 100 | 120 |
| ## 726 644 | Zekrom | Dragon | Electric | 680 | 100 | 150 |
| ## 727 645 | LandorusIncarnate Forme | Ground | Flying | 600 | 89 | 125 |
| ## 728 645 | LandorusTherian Forme | Ground | Flying | 600 | 89 | 145 |
| ## 729 646 | Kyurem | Dragon | Ice | 660 | 125 | 130 |
| ## 730 646 | KyuremBlack Kyurem | Dragon | Ice | 700 | 125 | 170 |
| ## 731 646 | KyuremWhite Kyurem | Dragon | Ice | 700 | 125 | 120 |
| ## 732 647 | KeldeoOrdinary Forme | Water | Fighting | 580 | 91 | 72 |
| ## 733 647 | KeldeoResolute Forme | Water | Fighting | 580 | 91 | 72 |
| ## 734 648 | MeloettaAria Forme | Normal | Psychic | 600 | 100 | 77 |
| ## 735 648 | MeloettaPirouette Forme | Normal | Fighting | 600 | 100 | 128 |
| ## 736 649 | Genesect | Bug | Steel | 600 | 71 | 120 |
| ## 737 650 | Chespin | Grass | | 313 | 56 | 61 |
| ## 738 651 | Quilladin | Grass | | 405 | 61 | 78 |
| ## 739 652 | Chesnaught | Grass | Fighting | 530 | 88 | 107 |
| ## 740 653 | Fennekin | Fire | | 307 | 40 | 45 |
| ## 741 654 | Braixen | Fire | | 409 | 59 | 59 |
| ## 742 655 | Delphox | Fire | Psychic | 534 | 75 | 69 |
| ## 743 656 | Froakie | Water | | 314 | 41 | 56 |
| ## 744 657 | Frogadier | Water | | 405 | 54 | 63 |
| ## 745 658 | Greninja | Water | Dark | 530 | 72 | 95 |
| ## 746 658 | GreninjaAsh-Greninja | Water | Dark | 640 | 72 | 145 |
| ## 747 659 | Bunnelby | Normal | | 237 | 38 | 36 |
| ## 748 660 | Diggersby | Normal | Ground | 423 | 85 | 56 |
| ## 749 661 | Fletchling | Normal | Flying | 278 | 45 | 50 |
| ## 750 662 | Fletchinder | Fire | Flying | 382 | 62 | 73 |
| ## 751 663 | Talonflame | Fire | Flying | 499 | 78 | 81 |
| ## 752 664 | Scatterbug | Bug | | 200 | 38 | 35 |
| ## 753 665 | Spewpa | Bug | | 213 | 45 | 22 |
| ## 754 666 | Vivillon | Bug | Flying | 411 | 80 | 52 |

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|------------|-----------------------|----------|---------|-----|-----|-----|
| ## 755 667 | Litleo | Fire | Normal | 369 | 62 | 50 |
| ## 756 668 | Pyroar | Fire | Normal | 507 | 86 | 68 |
| ## 757 669 | FlabÃ©bÃ© | Fairy | | 303 | 44 | 38 |
| ## 758 670 | Floette | Fairy | | 371 | 54 | 45 |
| ## 759 671 | Florges | Fairy | | 552 | 78 | 65 |
| ## 760 672 | Skiddo | Grass | | 350 | 66 | 65 |
| ## 761 673 | Gogoat | Grass | | 531 | 123 | 100 |
| ## 762 674 | Pancham | Fighting | | 348 | 67 | 82 |
| ## 763 675 | Pangoro | Fighting | Dark | 495 | 95 | 124 |
| ## 764 676 | Furfrou | Normal | | 472 | 75 | 80 |
| ## 765 677 | Espurr | Psychic | | 355 | 62 | 48 |
| ## 766 678 | MeowsticMale | Psychic | | 466 | 74 | 48 |
| ## 767 678 | MeowsticFemale | Psychic | | 466 | 74 | 48 |
| ## 768 679 | Honedge | Steel | Ghost | 325 | 45 | 80 |
| ## 769 680 | Doublade | Steel | Ghost | 448 | 59 | 110 |
| ## 770 681 | AegislashBlade Forme | Steel | Ghost | 520 | 60 | 150 |
| ## 771 681 | AegislashShield Forme | Steel | Ghost | 520 | 60 | 50 |
| ## 772 682 | Spritzee | Fairy | | 341 | 78 | 52 |
| ## 773 683 | Aromatisse | Fairy | | 462 | 101 | 72 |
| ## 774 684 | Swirlix | Fairy | | 341 | 62 | 48 |
| ## 775 685 | Slurpuff | Fairy | | 480 | 82 | 80 |
| ## 776 686 | Inkay | Dark | Psychic | 288 | 53 | 54 |
| ## 777 687 | Malamar | Dark | Psychic | 482 | 86 | 92 |
| ## 778 688 | Binacle | Rock | Water | 306 | 42 | 52 |
| ## 779 689 | Barbaracle | Rock | Water | 500 | 72 | 105 |
| ## 780 690 | Skrelep | Poison | Water | 320 | 50 | 60 |
| ## 781 691 | Dragalge | Poison | Dragon | 494 | 65 | 75 |
| ## 782 692 | Clauncher | Water | | 330 | 50 | 53 |
| ## 783 693 | Clawitzer | Water | | 500 | 71 | 73 |
| ## 784 694 | Helioptile | Electric | Normal | 289 | 44 | 38 |
| ## 785 695 | Heliolisk | Electric | Normal | 481 | 62 | 55 |
| ## 786 696 | Tyrunt | Rock | Dragon | 362 | 58 | 89 |
| ## 787 697 | Tyrantrum | Rock | Dragon | 521 | 82 | 121 |
| ## 788 698 | Amaura | Rock | Ice | 362 | 77 | 59 |
| ## 789 699 | Aurorus | Rock | Ice | 521 | 123 | 77 |
| ## 790 700 | Sylveon | Fairy | | 525 | 95 | 65 |
| ## 791 701 | Hawlucha | Fighting | Flying | 500 | 78 | 92 |
| ## 792 702 | Dedenne | Electric | Fairy | 431 | 67 | 58 |
| ## 793 703 | Carbink | Rock | Fairy | 500 | 50 | 50 |
| ## 794 704 | Goomy | Dragon | | 300 | 45 | 50 |
| ## 795 705 | Sliggoo | Dragon | | 452 | 68 | 75 |
| ## 796 706 | Goodra | Dragon | | 600 | 90 | 100 |
| ## 797 707 | Klefki | Steel | Fairy | 470 | 57 | 80 |
| ## 798 708 | Phantump | Ghost | Grass | 309 | 43 | 70 |
| ## 799 709 | Trevenant | Ghost | Grass | 474 | 85 | 110 |
| ## 800 710 | PumpkabooAverage Size | Ghost | Grass | 335 | 49 | 66 |
| ## 801 710 | PumpkabooSmall Size | Ghost | Grass | 335 | 44 | 66 |
| ## 802 710 | PumpkabooLarge Size | Ghost | Grass | 335 | 54 | 66 |
| ## 803 710 | PumpkabooSuper Size | Ghost | Grass | 335 | 59 | 66 |
| ## 804 711 | GourgeistAverage Size | Ghost | Grass | 494 | 65 | 90 |
| ## 805 711 | GourgeistSmall Size | Ghost | Grass | 494 | 55 | 85 |
| ## 806 711 | GourgeistLarge Size | Ghost | Grass | 494 | 75 | 95 |
| ## 807 711 | GourgeistSuper Size | Ghost | Grass | 494 | 85 | 100 |
| ## 808 712 | Bergmite | Ice | | 304 | 55 | 69 |

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|--------|-----|-----------------------|----------|----------|-----|-----|-----|
| ## 809 | 713 | Avalugg | Ice | | 514 | 95 | 117 |
| ## 810 | 714 | Noibat | Flying | Dragon | 245 | 40 | 30 |
| ## 811 | 715 | Noivern | Flying | Dragon | 535 | 85 | 70 |
| ## 812 | 716 | Xerneas | Fairy | | 680 | 126 | 131 |
| ## 813 | 717 | Yveltal | Dark | Flying | 680 | 126 | 131 |
| ## 814 | 718 | Zygarde50% Forme | Dragon | Ground | 600 | 108 | 100 |
| ## 815 | 718 | Zygarde10% Forme | Dragon | Ground | 486 | 54 | 100 |
| ## 816 | 718 | ZygardeComplete Forme | Dragon | Ground | 708 | 216 | 100 |
| ## 817 | 719 | Diancie | Rock | Fairy | 600 | 50 | 100 |
| ## 818 | 719 | DiancieMega Diancie | Rock | Fairy | 700 | 50 | 160 |
| ## 819 | 720 | HoopaHoopa Confined | Psychic | Ghost | 600 | 80 | 110 |
| ## 820 | 720 | HoopaHoopa Unbound | Psychic | Dark | 680 | 80 | 160 |
| ## 821 | 721 | Volcanion | Fire | Water | 600 | 80 | 110 |
| ## 822 | 722 | Rowlet | Grass | Flying | 320 | 68 | 55 |
| ## 823 | 723 | Dartrix | Grass | Flying | 420 | 78 | 75 |
| ## 824 | 724 | Decidueye | Grass | Ghost | 530 | 78 | 107 |
| ## 825 | 725 | Litten | Fire | | 320 | 45 | 65 |
| ## 826 | 726 | Torracat | Fire | | 420 | 65 | 85 |
| ## 827 | 727 | Incineroar | Fire | Dark | 530 | 95 | 115 |
| ## 828 | 728 | Popplio | Water | | 320 | 50 | 54 |
| ## 829 | 729 | Brionne | Water | | 420 | 60 | 69 |
| ## 830 | 730 | Primarina | Water | Fairy | 530 | 80 | 74 |
| ## 831 | 731 | Pikipek | Normal | Flying | 265 | 35 | 75 |
| ## 832 | 732 | Trumbeak | Normal | Flying | 355 | 55 | 85 |
| ## 833 | 733 | Toucannon | Normal | Flying | 485 | 80 | 120 |
| ## 834 | 734 | Yungoos | Normal | | 253 | 48 | 70 |
| ## 835 | 735 | Gumshoos | Normal | | 418 | 88 | 110 |
| ## 836 | 736 | Grubbin | Bug | | 300 | 47 | 62 |
| ## 837 | 737 | Charjabug | Bug | Electric | 400 | 57 | 82 |
| ## 838 | 738 | Vikavolt | Bug | Electric | 500 | 77 | 70 |
| ## 839 | 739 | Crabrawler | Fighting | | 338 | 47 | 82 |
| ## 840 | 740 | Crabominable | Fighting | Ice | 478 | 97 | 132 |
| ## 841 | 741 | OricorioBaile Style | Fire | Flying | 476 | 75 | 70 |
| ## 842 | 741 | OricorioPom-Pom Style | Electric | Flying | 476 | 75 | 70 |
| ## 843 | 741 | OricorioPa'u Style | Psychic | Flying | 476 | 75 | 70 |
| ## 844 | 741 | OricorioSensu Style | Ghost | Flying | 476 | 75 | 70 |
| ## 845 | 742 | Cutiefly | Bug | Fairy | 304 | 40 | 45 |
| ## 846 | 743 | Ribombee | Bug | Fairy | 464 | 60 | 55 |
| ## 847 | 744 | Rockruff | Rock | | 280 | 45 | 65 |
| ## 848 | 745 | LycanrocMidday Form | Rock | | 487 | 75 | 115 |
| ## 849 | 745 | LycanrocMidnight Form | Rock | | 487 | 85 | 115 |
| ## 850 | 745 | LycanrocDusk Form | Rock | | 487 | 75 | 117 |
| ## 851 | 746 | WishiwashiSolo Form | Water | | 175 | 45 | 20 |
| ## 852 | 746 | WishiwashiSchool Form | Water | | 620 | 45 | 140 |
| ## 853 | 747 | Mareanie | Poison | Water | 305 | 50 | 53 |
| ## 854 | 748 | Toxapex | Poison | Water | 495 | 50 | 63 |
| ## 855 | 749 | Mudbray | Ground | | 385 | 70 | 100 |
| ## 856 | 750 | Mudsdale | Ground | | 500 | 100 | 125 |
| ## 857 | 751 | Dewpider | Water | Bug | 269 | 38 | 40 |
| ## 858 | 752 | Araquanid | Water | Bug | 454 | 68 | 70 |
| ## 859 | 753 | Fomantis | Grass | | 250 | 40 | 55 |
| ## 860 | 754 | Lurantis | Grass | | 480 | 70 | 105 |
| ## 861 | 755 | Morelull | Grass | Fairy | 285 | 40 | 35 |
| ## 862 | 756 | Shiinotic | Grass | Fairy | 405 | 60 | 45 |

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|--------|-----|---------------|-------------|----------|----------|--------|-----|-----|-----|
| ## 863 | 757 | | Salandit | Poison | Fire | 320 | 48 | 44 | |
| ## 864 | 758 | | Salazzle | Poison | Fire | 480 | 68 | 64 | |
| ## 865 | 759 | | Stufful | Normal | Fighting | 340 | 70 | 75 | |
| ## 866 | 760 | | Bewear | Normal | Fighting | 500 | 120 | 125 | |
| ## 867 | 761 | | Bounsweet | Grass | | 210 | 42 | 30 | |
| ## 868 | 762 | | Steenee | Grass | | 290 | 52 | 40 | |
| ## 869 | 763 | | Tsareena | Grass | | 510 | 72 | 120 | |
| ## 870 | 764 | | Comfey | Fairy | | 485 | 51 | 52 | |
| ## 871 | 765 | | Oranguru | Normal | Psychic | 490 | 90 | 60 | |
| ## 872 | 766 | | Passimian | Fighting | | 490 | 100 | 120 | |
| ## 873 | 767 | | Wimpod | Bug | Water | 230 | 25 | 35 | |
| ## 874 | 768 | | Golisopod | Bug | Water | 530 | 75 | 125 | |
| ## 875 | 769 | | Sandygast | Ghost | Ground | 320 | 55 | 55 | |
| ## 876 | 770 | | Palossand | Ghost | Ground | 480 | 85 | 75 | |
| ## 877 | 771 | | Pyukumuku | Water | | 410 | 55 | 60 | |
| ## 878 | 772 | | Type: Null | Normal | | 534 | 95 | 95 | |
| ## 879 | 773 | | Silvally | Normal | | 570 | 95 | 95 | |
| ## 880 | 774 | MiniorMeteor | Form | Rock | Flying | 440 | 60 | 60 | |
| ## 881 | 774 | MiniorCore | Form | Rock | Flying | 500 | 60 | 100 | |
| ## 882 | 775 | | Komala | Normal | | 480 | 65 | 115 | |
| ## 883 | 776 | | Turtonator | Fire | Dragon | 485 | 60 | 78 | |
| ## 884 | 777 | | Togedemaru | Electric | Steel | 435 | 65 | 98 | |
| ## 885 | 778 | | Mimikyu | Ghost | Fairy | 476 | 55 | 90 | |
| ## 886 | 779 | | Bruxish | Water | Psychic | 475 | 68 | 105 | |
| ## 887 | 780 | | Drampa | Normal | Dragon | 485 | 78 | 60 | |
| ## 888 | 781 | | Dhelmise | Ghost | Grass | 517 | 70 | 131 | |
| ## 889 | 782 | | Jangmo-o | Dragon | | 300 | 45 | 55 | |
| ## 890 | 783 | | Hakamo-o | Dragon | Fighting | 420 | 55 | 75 | |
| ## 891 | 784 | | Kommo-o | Dragon | Fighting | 600 | 75 | 110 | |
| ## 892 | 785 | | Tapu Koko | Electric | Fairy | 570 | 70 | 115 | |
| ## 893 | 786 | | Tapu Lele | Psychic | Fairy | 570 | 70 | 85 | |
| ## 894 | 787 | | Tapu Bulu | Grass | Fairy | 570 | 70 | 130 | |
| ## 895 | 788 | | Tapu Fini | Water | Fairy | 570 | 70 | 75 | |
| ## 896 | 789 | | Cosmog | Psychic | | 200 | 43 | 29 | |
| ## 897 | 790 | | Cosmoem | Psychic | | 400 | 43 | 29 | |
| ## 898 | 791 | | Solgaleo | Psychic | Steel | 680 | 137 | 137 | |
| ## 899 | 792 | | Lunala | Psychic | Ghost | 680 | 137 | 113 | |
| ## 900 | 793 | | Nihilego | Rock | Poison | 570 | 109 | 53 | |
| ## 901 | 794 | | Buzzwole | Bug | Fighting | 570 | 107 | 139 | |
| ## 902 | 795 | | Pheromosa | Bug | Fighting | 570 | 71 | 137 | |
| ## 903 | 796 | | Xurkitree | Electric | | 570 | 83 | 89 | |
| ## 904 | 797 | | Celesteela | Steel | Flying | 570 | 97 | 101 | |
| ## 905 | 798 | | Kartana | Grass | Steel | 570 | 59 | 181 | |
| ## 906 | 799 | | Guzzlord | Dark | Dragon | 570 | 223 | 101 | |
| ## 907 | 800 | | Necrozma | Psychic | | 600 | 97 | 107 | |
| ## 908 | 800 | NecrozmaDusk | Mane | Necrozma | Psychic | Steel | 680 | 97 | 157 |
| ## 909 | 800 | NecrozmaDawn | Wings | Necrozma | Psychic | Ghost | 680 | 97 | 113 |
| ## 910 | 800 | NecrozmaUltra | | Necrozma | Psychic | Dragon | 754 | 97 | 167 |
| ## 911 | 801 | | Magearna | Steel | Fairy | 600 | 80 | 95 | |
| ## 912 | 802 | | Marshadow | Fighting | Ghost | 600 | 90 | 125 | |
| ## 913 | 803 | | Poipole | Poison | | 420 | 67 | 73 | |
| ## 914 | 804 | | Naganadel | Poison | Dragon | 540 | 73 | 73 | |
| ## 915 | 805 | | Stakataka | Rock | Steel | 570 | 61 | 131 | |
| ## 916 | 806 | | Blacephalon | Fire | Ghost | 570 | 53 | 127 | |

| ## 917 807 | | Zeraora Electric | | | 600 | 88 | 112 |
|------------|---------|------------------|---------|-------|-----|----|-----|
| ## | Defense | Sp..Atk | Sp..Def | Speed | | | |
| ## 1 | 49 | 65 | 65 | 45 | | | |
| ## 2 | 63 | 80 | 80 | 60 | | | |
| ## 3 | 83 | 100 | 100 | 80 | | | |
| ## 4 | 123 | 122 | 120 | 80 | | | |
| ## 5 | 43 | 60 | 50 | 65 | | | |
| ## 6 | 58 | 80 | 65 | 80 | | | |
| ## 7 | 78 | 109 | 85 | 100 | | | |
| ## 8 | 111 | 130 | 85 | 100 | | | |
| ## 9 | 78 | 159 | 115 | 100 | | | |
| ## 10 | 65 | 50 | 64 | 43 | | | |
| ## 11 | 80 | 65 | 80 | 58 | | | |
| ## 12 | 100 | 85 | 105 | 78 | | | |
| ## 13 | 120 | 135 | 115 | 78 | | | |
| ## 14 | 35 | 20 | 20 | 45 | | | |
| ## 15 | 55 | 25 | 25 | 30 | | | |
| ## 16 | 50 | 90 | 80 | 70 | | | |
| ## 17 | 30 | 20 | 20 | 50 | | | |
| ## 18 | 50 | 25 | 25 | 35 | | | |
| ## 19 | 40 | 45 | 80 | 75 | | | |
| ## 20 | 40 | 15 | 80 | 145 | | | |
| ## 21 | 40 | 35 | 35 | 56 | | | |
| ## 22 | 55 | 50 | 50 | 71 | | | |
| ## 23 | 75 | 70 | 70 | 101 | | | |
| ## 24 | 80 | 135 | 80 | 121 | | | |
| ## 25 | 35 | 25 | 35 | 72 | | | |
| ## 26 | 35 | 25 | 35 | 72 | | | |
| ## 27 | 60 | 50 | 70 | 97 | | | |
| ## 28 | 70 | 40 | 80 | 77 | | | |
| ## 29 | 30 | 31 | 31 | 70 | | | |
| ## 30 | 65 | 61 | 61 | 100 | | | |
| ## 31 | 44 | 40 | 54 | 55 | | | |
| ## 32 | 69 | 65 | 79 | 80 | | | |
| ## 33 | 40 | 50 | 50 | 90 | | | |
| ## 34 | 55 | 90 | 80 | 110 | | | |
| ## 35 | 50 | 95 | 85 | 110 | | | |
| ## 36 | 85 | 20 | 30 | 40 | | | |
| ## 37 | 90 | 10 | 35 | 40 | | | |
| ## 38 | 110 | 45 | 55 | 65 | | | |
| ## 39 | 120 | 25 | 65 | 65 | | | |
| ## 40 | 52 | 40 | 40 | 41 | | | |
| ## 41 | 67 | 55 | 55 | 56 | | | |
| ## 42 | 87 | 75 | 85 | 76 | | | |
| ## 43 | 40 | 40 | 40 | 50 | | | |
| ## 44 | 57 | 55 | 55 | 65 | | | |
| ## 45 | 77 | 85 | 75 | 85 | | | |
| ## 46 | 48 | 60 | 65 | 35 | | | |
| ## 47 | 73 | 95 | 90 | 60 | | | |
| ## 48 | 40 | 50 | 65 | 65 | | | |
| ## 49 | 40 | 50 | 65 | 65 | | | |
| ## 50 | 75 | 81 | 100 | 100 | | | |
| ## 51 | 75 | 81 | 100 | 109 | | | |
| ## 52 | 20 | 45 | 25 | 20 | | | |

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|--------|-----|-----|-----|-----|
| ## 53 | 45 | 85 | 50 | 45 |
| ## 54 | 35 | 30 | 40 | 55 |
| ## 55 | 70 | 65 | 75 | 90 |
| ## 56 | 55 | 75 | 65 | 30 |
| ## 57 | 70 | 85 | 75 | 40 |
| ## 58 | 85 | 110 | 90 | 50 |
| ## 59 | 55 | 45 | 55 | 25 |
| ## 60 | 80 | 60 | 80 | 30 |
| ## 61 | 50 | 40 | 55 | 45 |
| ## 62 | 60 | 90 | 75 | 90 |
| ## 63 | 25 | 35 | 45 | 95 |
| ## 64 | 30 | 35 | 45 | 90 |
| ## 65 | 50 | 50 | 70 | 120 |
| ## 66 | 60 | 50 | 70 | 110 |
| ## 67 | 35 | 40 | 40 | 90 |
| ## 68 | 35 | 50 | 40 | 90 |
| ## 69 | 60 | 65 | 65 | 115 |
| ## 70 | 60 | 75 | 65 | 115 |
| ## 71 | 48 | 65 | 50 | 55 |
| ## 72 | 78 | 95 | 80 | 85 |
| ## 73 | 35 | 35 | 45 | 70 |
| ## 74 | 60 | 60 | 70 | 95 |
| ## 75 | 45 | 70 | 50 | 60 |
| ## 76 | 80 | 100 | 80 | 95 |
| ## 77 | 40 | 40 | 40 | 90 |
| ## 78 | 65 | 50 | 50 | 90 |
| ## 79 | 95 | 70 | 90 | 70 |
| ## 80 | 15 | 105 | 55 | 90 |
| ## 81 | 30 | 120 | 70 | 105 |
| ## 82 | 45 | 135 | 95 | 120 |
| ## 83 | 65 | 175 | 105 | 150 |
| ## 84 | 50 | 35 | 35 | 35 |
| ## 85 | 70 | 50 | 60 | 45 |
| ## 86 | 80 | 65 | 85 | 55 |
| ## 87 | 35 | 70 | 30 | 40 |
| ## 88 | 50 | 85 | 45 | 55 |
| ## 89 | 65 | 100 | 70 | 70 |
| ## 90 | 35 | 50 | 100 | 70 |
| ## 91 | 65 | 80 | 120 | 100 |
| ## 92 | 100 | 30 | 30 | 20 |
| ## 93 | 100 | 30 | 30 | 20 |
| ## 94 | 115 | 45 | 45 | 35 |
| ## 95 | 115 | 45 | 45 | 35 |
| ## 96 | 130 | 55 | 65 | 45 |
| ## 97 | 130 | 55 | 65 | 45 |
| ## 98 | 55 | 65 | 65 | 90 |
| ## 99 | 70 | 80 | 80 | 105 |
| ## 100 | 65 | 40 | 40 | 15 |
| ## 101 | 110 | 100 | 80 | 30 |
| ## 102 | 180 | 130 | 80 | 30 |
| ## 103 | 70 | 95 | 55 | 45 |
| ## 104 | 95 | 120 | 70 | 70 |
| ## 105 | 55 | 58 | 62 | 60 |
| ## 106 | 45 | 35 | 35 | 75 |

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|--------|-----|-----|-----|-----|
| ## 107 | 70 | 60 | 60 | 110 |
| ## 108 | 55 | 45 | 70 | 45 |
| ## 109 | 80 | 70 | 95 | 70 |
| ## 110 | 50 | 40 | 50 | 25 |
| ## 111 | 50 | 40 | 50 | 25 |
| ## 112 | 75 | 65 | 100 | 50 |
| ## 113 | 75 | 65 | 100 | 50 |
| ## 114 | 100 | 45 | 25 | 40 |
| ## 115 | 180 | 85 | 45 | 70 |
| ## 116 | 30 | 100 | 35 | 80 |
| ## 117 | 45 | 115 | 55 | 95 |
| ## 118 | 60 | 130 | 75 | 110 |
| ## 119 | 80 | 170 | 95 | 130 |
| ## 120 | 160 | 30 | 45 | 70 |
| ## 121 | 45 | 43 | 90 | 42 |
| ## 122 | 70 | 73 | 115 | 67 |
| ## 123 | 90 | 25 | 25 | 50 |
| ## 124 | 115 | 50 | 50 | 75 |
| ## 125 | 50 | 55 | 55 | 100 |
| ## 126 | 70 | 80 | 80 | 150 |
| ## 127 | 80 | 60 | 45 | 40 |
| ## 128 | 85 | 125 | 75 | 55 |
| ## 129 | 85 | 125 | 75 | 45 |
| ## 130 | 95 | 40 | 50 | 35 |
| ## 131 | 110 | 50 | 80 | 45 |
| ## 132 | 110 | 50 | 80 | 45 |
| ## 133 | 53 | 35 | 110 | 87 |
| ## 134 | 79 | 35 | 110 | 76 |
| ## 135 | 75 | 60 | 75 | 30 |
| ## 136 | 95 | 60 | 45 | 35 |
| ## 137 | 120 | 85 | 70 | 60 |
| ## 138 | 95 | 30 | 30 | 25 |
| ## 139 | 120 | 45 | 45 | 40 |
| ## 140 | 5 | 35 | 105 | 50 |
| ## 141 | 115 | 100 | 40 | 60 |
| ## 142 | 80 | 40 | 80 | 90 |
| ## 143 | 100 | 60 | 100 | 100 |
| ## 144 | 70 | 70 | 25 | 60 |
| ## 145 | 95 | 95 | 45 | 85 |
| ## 146 | 60 | 35 | 50 | 63 |
| ## 147 | 65 | 65 | 80 | 68 |
| ## 148 | 55 | 70 | 55 | 85 |
| ## 149 | 85 | 100 | 85 | 115 |
| ## 150 | 65 | 100 | 120 | 90 |
| ## 151 | 80 | 55 | 80 | 105 |
| ## 152 | 35 | 115 | 95 | 95 |
| ## 153 | 57 | 95 | 85 | 105 |
| ## 154 | 57 | 100 | 85 | 93 |
| ## 155 | 100 | 55 | 70 | 85 |
| ## 156 | 120 | 65 | 90 | 105 |
| ## 157 | 95 | 40 | 70 | 110 |
| ## 158 | 55 | 15 | 20 | 80 |
| ## 159 | 79 | 60 | 100 | 81 |
| ## 160 | 109 | 70 | 130 | 81 |

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|--------|-----|-----|-----|-----|
| ## 161 | 80 | 85 | 95 | 60 |
| ## 162 | 48 | 48 | 48 | 48 |
| ## 163 | 50 | 45 | 65 | 55 |
| ## 164 | 60 | 110 | 95 | 65 |
| ## 165 | 60 | 110 | 95 | 130 |
| ## 166 | 60 | 95 | 110 | 65 |
| ## 167 | 70 | 85 | 75 | 40 |
| ## 168 | 100 | 90 | 55 | 35 |
| ## 169 | 125 | 115 | 70 | 55 |
| ## 170 | 90 | 55 | 45 | 55 |
| ## 171 | 105 | 65 | 70 | 80 |
| ## 172 | 65 | 60 | 75 | 130 |
| ## 173 | 85 | 70 | 95 | 150 |
| ## 174 | 65 | 65 | 110 | 30 |
| ## 175 | 100 | 95 | 125 | 85 |
| ## 176 | 85 | 125 | 90 | 100 |
| ## 177 | 90 | 125 | 85 | 90 |
| ## 178 | 45 | 50 | 50 | 50 |
| ## 179 | 65 | 70 | 70 | 70 |
| ## 180 | 95 | 100 | 100 | 80 |
| ## 181 | 90 | 154 | 90 | 130 |
| ## 182 | 100 | 154 | 100 | 130 |
| ## 183 | 70 | 194 | 120 | 140 |
| ## 184 | 100 | 100 | 100 | 100 |
| ## 185 | 65 | 49 | 65 | 45 |
| ## 186 | 80 | 63 | 80 | 60 |
| ## 187 | 100 | 83 | 100 | 80 |
| ## 188 | 43 | 60 | 50 | 65 |
| ## 189 | 58 | 80 | 65 | 80 |
| ## 190 | 78 | 109 | 85 | 100 |
| ## 191 | 64 | 44 | 48 | 43 |
| ## 192 | 80 | 59 | 63 | 58 |
| ## 193 | 100 | 79 | 83 | 78 |
| ## 194 | 34 | 35 | 45 | 20 |
| ## 195 | 64 | 45 | 55 | 90 |
| ## 196 | 30 | 36 | 56 | 50 |
| ## 197 | 50 | 86 | 96 | 70 |
| ## 198 | 30 | 40 | 80 | 55 |
| ## 199 | 50 | 55 | 110 | 85 |
| ## 200 | 40 | 40 | 40 | 30 |
| ## 201 | 70 | 60 | 70 | 40 |
| ## 202 | 80 | 70 | 80 | 130 |
| ## 203 | 38 | 56 | 56 | 67 |
| ## 204 | 58 | 76 | 76 | 67 |
| ## 205 | 15 | 35 | 35 | 60 |
| ## 206 | 28 | 45 | 55 | 15 |
| ## 207 | 15 | 40 | 20 | 15 |
| ## 208 | 65 | 40 | 65 | 20 |
| ## 209 | 85 | 80 | 105 | 40 |
| ## 210 | 45 | 70 | 45 | 70 |
| ## 211 | 70 | 95 | 70 | 95 |
| ## 212 | 40 | 65 | 45 | 35 |
| ## 213 | 55 | 80 | 60 | 45 |
| ## 214 | 85 | 115 | 90 | 55 |

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|--------|-----|-----|-----|-----|
| ## 215 | 105 | 165 | 110 | 45 |
| ## 216 | 95 | 90 | 100 | 50 |
| ## 217 | 50 | 20 | 50 | 40 |
| ## 218 | 80 | 60 | 80 | 50 |
| ## 219 | 115 | 30 | 65 | 30 |
| ## 220 | 75 | 90 | 100 | 70 |
| ## 221 | 40 | 35 | 55 | 50 |
| ## 222 | 50 | 45 | 65 | 80 |
| ## 223 | 70 | 55 | 95 | 110 |
| ## 224 | 55 | 40 | 55 | 85 |
| ## 225 | 30 | 30 | 30 | 30 |
| ## 226 | 55 | 105 | 85 | 30 |
| ## 227 | 45 | 75 | 45 | 95 |
| ## 228 | 45 | 25 | 25 | 15 |
| ## 229 | 85 | 65 | 65 | 35 |
| ## 230 | 60 | 130 | 95 | 110 |
| ## 231 | 110 | 60 | 130 | 65 |
| ## 232 | 42 | 85 | 42 | 91 |
| ## 233 | 80 | 100 | 110 | 30 |
| ## 234 | 60 | 85 | 85 | 85 |
| ## 235 | 48 | 72 | 48 | 48 |
| ## 236 | 58 | 33 | 58 | 33 |
| ## 237 | 65 | 90 | 65 | 85 |
| ## 238 | 90 | 35 | 35 | 15 |
| ## 239 | 140 | 60 | 60 | 40 |
| ## 240 | 70 | 65 | 65 | 45 |
| ## 241 | 105 | 35 | 65 | 85 |
| ## 242 | 200 | 55 | 65 | 30 |
| ## 243 | 230 | 55 | 95 | 30 |
| ## 244 | 50 | 40 | 40 | 30 |
| ## 245 | 75 | 60 | 60 | 45 |
| ## 246 | 85 | 55 | 55 | 85 |
| ## 247 | 100 | 55 | 80 | 65 |
| ## 248 | 140 | 65 | 100 | 75 |
| ## 249 | 230 | 10 | 230 | 5 |
| ## 250 | 75 | 40 | 95 | 85 |
| ## 251 | 115 | 40 | 105 | 75 |
| ## 252 | 55 | 35 | 75 | 115 |
| ## 253 | 50 | 50 | 50 | 40 |
| ## 254 | 75 | 75 | 75 | 55 |
| ## 255 | 40 | 70 | 40 | 20 |
| ## 256 | 120 | 90 | 80 | 30 |
| ## 257 | 40 | 30 | 30 | 50 |
| ## 258 | 80 | 60 | 60 | 50 |
| ## 259 | 95 | 65 | 95 | 35 |
| ## 260 | 35 | 65 | 35 | 65 |
| ## 261 | 75 | 105 | 75 | 45 |
| ## 262 | 45 | 65 | 45 | 75 |
| ## 263 | 70 | 80 | 140 | 70 |
| ## 264 | 140 | 40 | 70 | 70 |
| ## 265 | 30 | 80 | 50 | 65 |
| ## 266 | 50 | 110 | 80 | 95 |
| ## 267 | 90 | 140 | 90 | 115 |
| ## 268 | 95 | 95 | 95 | 85 |

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|--------|-----|-----|-----|-----|
| ## 269 | 60 | 40 | 40 | 40 |
| ## 270 | 120 | 60 | 60 | 50 |
| ## 271 | 90 | 105 | 95 | 60 |
| ## 272 | 62 | 85 | 65 | 85 |
| ## 273 | 35 | 20 | 45 | 75 |
| ## 274 | 35 | 35 | 35 | 35 |
| ## 275 | 95 | 35 | 110 | 70 |
| ## 276 | 15 | 85 | 65 | 65 |
| ## 277 | 37 | 65 | 55 | 95 |
| ## 278 | 37 | 70 | 55 | 83 |
| ## 279 | 105 | 40 | 70 | 100 |
| ## 280 | 10 | 75 | 135 | 55 |
| ## 281 | 75 | 115 | 100 | 115 |
| ## 282 | 85 | 90 | 75 | 100 |
| ## 283 | 115 | 90 | 115 | 85 |
| ## 284 | 50 | 45 | 50 | 41 |
| ## 285 | 70 | 65 | 70 | 51 |
| ## 286 | 110 | 95 | 100 | 61 |
| ## 287 | 150 | 95 | 120 | 71 |
| ## 288 | 130 | 90 | 154 | 110 |
| ## 289 | 90 | 110 | 154 | 90 |
| ## 290 | 100 | 100 | 100 | 100 |
| ## 291 | 35 | 65 | 55 | 70 |
| ## 292 | 45 | 85 | 65 | 95 |
| ## 293 | 65 | 105 | 85 | 120 |
| ## 294 | 75 | 145 | 85 | 145 |
| ## 295 | 40 | 70 | 50 | 45 |
| ## 296 | 60 | 85 | 60 | 55 |
| ## 297 | 70 | 110 | 70 | 80 |
| ## 298 | 80 | 130 | 80 | 100 |
| ## 299 | 50 | 50 | 50 | 40 |
| ## 300 | 70 | 60 | 70 | 50 |
| ## 301 | 90 | 85 | 90 | 60 |
| ## 302 | 110 | 95 | 110 | 70 |
| ## 303 | 35 | 30 | 30 | 35 |
| ## 304 | 70 | 60 | 60 | 70 |
| ## 305 | 41 | 30 | 41 | 60 |
| ## 306 | 61 | 50 | 61 | 100 |
| ## 307 | 35 | 20 | 30 | 20 |
| ## 308 | 55 | 25 | 25 | 15 |
| ## 309 | 50 | 100 | 50 | 65 |
| ## 310 | 55 | 25 | 25 | 15 |
| ## 311 | 70 | 50 | 90 | 65 |
| ## 312 | 30 | 40 | 50 | 30 |
| ## 313 | 50 | 60 | 70 | 50 |
| ## 314 | 70 | 90 | 100 | 70 |
| ## 315 | 50 | 30 | 30 | 30 |
| ## 316 | 40 | 60 | 40 | 60 |
| ## 317 | 60 | 90 | 60 | 80 |
| ## 318 | 30 | 30 | 30 | 85 |
| ## 319 | 60 | 75 | 50 | 125 |
| ## 320 | 30 | 55 | 30 | 85 |
| ## 321 | 100 | 95 | 70 | 65 |
| ## 322 | 25 | 45 | 35 | 40 |

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|--------|-----|-----|-----|-----|
| ## 323 | 35 | 65 | 55 | 50 |
| ## 324 | 65 | 125 | 115 | 80 |
| ## 325 | 65 | 165 | 135 | 100 |
| ## 326 | 32 | 50 | 52 | 65 |
| ## 327 | 62 | 100 | 82 | 80 |
| ## 328 | 60 | 40 | 60 | 35 |
| ## 329 | 80 | 60 | 60 | 70 |
| ## 330 | 60 | 35 | 35 | 30 |
| ## 331 | 80 | 55 | 55 | 90 |
| ## 332 | 100 | 95 | 65 | 100 |
| ## 333 | 90 | 30 | 30 | 40 |
| ## 334 | 45 | 50 | 50 | 160 |
| ## 335 | 45 | 30 | 30 | 40 |
| ## 336 | 23 | 51 | 23 | 28 |
| ## 337 | 43 | 71 | 43 | 48 |
| ## 338 | 63 | 91 | 73 | 68 |
| ## 339 | 30 | 20 | 30 | 25 |
| ## 340 | 60 | 40 | 60 | 50 |
| ## 341 | 40 | 20 | 40 | 20 |
| ## 342 | 135 | 45 | 90 | 30 |
| ## 343 | 45 | 35 | 35 | 50 |
| ## 344 | 65 | 55 | 55 | 90 |
| ## 345 | 75 | 65 | 65 | 50 |
| ## 346 | 125 | 85 | 115 | 20 |
| ## 347 | 85 | 55 | 55 | 50 |
| ## 348 | 125 | 55 | 95 | 50 |
| ## 349 | 100 | 40 | 40 | 30 |
| ## 350 | 140 | 50 | 50 | 40 |
| ## 351 | 180 | 60 | 60 | 50 |
| ## 352 | 230 | 60 | 80 | 50 |
| ## 353 | 55 | 40 | 55 | 60 |
| ## 354 | 75 | 60 | 75 | 80 |
| ## 355 | 85 | 80 | 85 | 100 |
| ## 356 | 40 | 65 | 40 | 65 |
| ## 357 | 60 | 105 | 60 | 105 |
| ## 358 | 80 | 135 | 80 | 135 |
| ## 359 | 40 | 85 | 75 | 95 |
| ## 360 | 50 | 75 | 85 | 95 |
| ## 361 | 75 | 47 | 85 | 85 |
| ## 362 | 75 | 73 | 85 | 85 |
| ## 363 | 45 | 100 | 80 | 65 |
| ## 364 | 53 | 43 | 53 | 40 |
| ## 365 | 83 | 73 | 83 | 55 |
| ## 366 | 20 | 65 | 20 | 65 |
| ## 367 | 40 | 95 | 40 | 95 |
| ## 368 | 70 | 110 | 65 | 105 |
| ## 369 | 35 | 70 | 35 | 60 |
| ## 370 | 45 | 90 | 45 | 60 |
| ## 371 | 40 | 65 | 45 | 35 |
| ## 372 | 70 | 105 | 75 | 40 |
| ## 373 | 100 | 145 | 105 | 20 |
| ## 374 | 140 | 85 | 70 | 20 |
| ## 375 | 35 | 70 | 80 | 60 |
| ## 376 | 65 | 90 | 110 | 80 |

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|--------|-----|-----|-----|-----|
| ## 377 | 60 | 60 | 60 | 60 |
| ## 378 | 45 | 45 | 45 | 10 |
| ## 379 | 50 | 50 | 50 | 70 |
| ## 380 | 80 | 80 | 80 | 100 |
| ## 381 | 40 | 85 | 40 | 35 |
| ## 382 | 60 | 115 | 60 | 55 |
| ## 383 | 60 | 40 | 75 | 50 |
| ## 384 | 90 | 70 | 105 | 80 |
| ## 385 | 110 | 110 | 105 | 80 |
| ## 386 | 60 | 60 | 60 | 90 |
| ## 387 | 60 | 100 | 60 | 65 |
| ## 388 | 65 | 95 | 85 | 70 |
| ## 389 | 85 | 55 | 65 | 70 |
| ## 390 | 43 | 46 | 41 | 60 |
| ## 391 | 73 | 76 | 71 | 60 |
| ## 392 | 65 | 50 | 35 | 35 |
| ## 393 | 85 | 90 | 55 | 55 |
| ## 394 | 55 | 40 | 70 | 55 |
| ## 395 | 105 | 70 | 120 | 75 |
| ## 396 | 77 | 61 | 87 | 23 |
| ## 397 | 97 | 81 | 107 | 43 |
| ## 398 | 50 | 40 | 50 | 75 |
| ## 399 | 100 | 70 | 80 | 45 |
| ## 400 | 20 | 10 | 55 | 80 |
| ## 401 | 79 | 100 | 125 | 81 |
| ## 402 | 70 | 70 | 70 | 70 |
| ## 403 | 70 | 60 | 120 | 40 |
| ## 404 | 35 | 63 | 33 | 45 |
| ## 405 | 65 | 83 | 63 | 65 |
| ## 406 | 75 | 93 | 83 | 75 |
| ## 407 | 90 | 30 | 90 | 25 |
| ## 408 | 130 | 60 | 130 | 25 |
| ## 409 | 83 | 72 | 87 | 51 |
| ## 410 | 80 | 95 | 90 | 65 |
| ## 411 | 60 | 75 | 60 | 75 |
| ## 412 | 60 | 115 | 60 | 115 |
| ## 413 | 48 | 23 | 48 | 23 |
| ## 414 | 50 | 50 | 50 | 50 |
| ## 415 | 80 | 80 | 80 | 80 |
| ## 416 | 80 | 120 | 80 | 100 |
| ## 417 | 50 | 55 | 50 | 25 |
| ## 418 | 70 | 75 | 70 | 45 |
| ## 419 | 90 | 95 | 90 | 65 |
| ## 420 | 85 | 74 | 55 | 32 |
| ## 421 | 105 | 94 | 75 | 52 |
| ## 422 | 105 | 114 | 75 | 52 |
| ## 423 | 130 | 45 | 65 | 55 |
| ## 424 | 55 | 40 | 65 | 97 |
| ## 425 | 60 | 40 | 30 | 50 |
| ## 426 | 100 | 60 | 50 | 50 |
| ## 427 | 80 | 110 | 80 | 100 |
| ## 428 | 130 | 120 | 90 | 120 |
| ## 429 | 80 | 35 | 60 | 30 |
| ## 430 | 100 | 55 | 80 | 50 |

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|--------|-----|-----|-----|-----|
| ## 431 | 130 | 95 | 90 | 70 |
| ## 432 | 150 | 105 | 110 | 110 |
| ## 433 | 200 | 50 | 100 | 50 |
| ## 434 | 100 | 100 | 200 | 50 |
| ## 435 | 150 | 75 | 150 | 50 |
| ## 436 | 90 | 110 | 130 | 110 |
| ## 437 | 120 | 140 | 150 | 110 |
| ## 438 | 80 | 130 | 110 | 110 |
| ## 439 | 100 | 160 | 120 | 110 |
| ## 440 | 90 | 150 | 140 | 90 |
| ## 441 | 90 | 180 | 160 | 90 |
| ## 442 | 140 | 100 | 90 | 90 |
| ## 443 | 160 | 150 | 90 | 90 |
| ## 444 | 90 | 150 | 90 | 95 |
| ## 445 | 100 | 180 | 100 | 115 |
| ## 446 | 100 | 100 | 100 | 100 |
| ## 447 | 50 | 150 | 50 | 150 |
| ## 448 | 20 | 180 | 20 | 150 |
| ## 449 | 160 | 70 | 160 | 90 |
| ## 450 | 90 | 95 | 90 | 180 |
| ## 451 | 64 | 45 | 55 | 31 |
| ## 452 | 85 | 55 | 65 | 36 |
| ## 453 | 105 | 75 | 85 | 56 |
| ## 454 | 44 | 58 | 44 | 61 |
| ## 455 | 52 | 78 | 52 | 81 |
| ## 456 | 71 | 104 | 71 | 108 |
| ## 457 | 53 | 61 | 56 | 40 |
| ## 458 | 68 | 81 | 76 | 50 |
| ## 459 | 88 | 111 | 101 | 60 |
| ## 460 | 30 | 30 | 30 | 60 |
| ## 461 | 50 | 40 | 40 | 80 |
| ## 462 | 70 | 50 | 60 | 100 |
| ## 463 | 40 | 35 | 40 | 31 |
| ## 464 | 60 | 55 | 60 | 71 |
| ## 465 | 41 | 25 | 41 | 25 |
| ## 466 | 51 | 55 | 51 | 65 |
| ## 467 | 34 | 40 | 34 | 45 |
| ## 468 | 49 | 60 | 49 | 60 |
| ## 469 | 79 | 95 | 79 | 70 |
| ## 470 | 35 | 50 | 70 | 55 |
| ## 471 | 65 | 125 | 105 | 90 |
| ## 472 | 40 | 30 | 30 | 58 |
| ## 473 | 60 | 65 | 50 | 58 |
| ## 474 | 118 | 42 | 88 | 30 |
| ## 475 | 168 | 47 | 138 | 30 |
| ## 476 | 45 | 29 | 45 | 36 |
| ## 477 | 85 | 79 | 105 | 36 |
| ## 478 | 105 | 59 | 85 | 36 |
| ## 479 | 95 | 69 | 95 | 36 |
| ## 480 | 50 | 94 | 50 | 66 |
| ## 481 | 42 | 30 | 42 | 70 |
| ## 482 | 102 | 80 | 102 | 40 |
| ## 483 | 70 | 45 | 90 | 95 |
| ## 484 | 35 | 60 | 30 | 85 |

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|--------|-----|-----|-----|-----|
| ## 485 | 55 | 85 | 50 | 115 |
| ## 486 | 45 | 62 | 53 | 35 |
| ## 487 | 70 | 87 | 78 | 85 |
| ## 488 | 48 | 57 | 62 | 34 |
| ## 489 | 68 | 92 | 82 | 39 |
| ## 490 | 66 | 60 | 66 | 115 |
| ## 491 | 34 | 60 | 44 | 70 |
| ## 492 | 44 | 90 | 54 | 80 |
| ## 493 | 44 | 44 | 56 | 85 |
| ## 494 | 84 | 54 | 96 | 105 |
| ## 495 | 94 | 54 | 96 | 135 |
| ## 496 | 60 | 105 | 105 | 105 |
| ## 497 | 52 | 105 | 52 | 71 |
| ## 498 | 42 | 42 | 37 | 85 |
| ## 499 | 64 | 64 | 59 | 112 |
| ## 500 | 50 | 65 | 50 | 45 |
| ## 501 | 47 | 41 | 41 | 74 |
| ## 502 | 67 | 71 | 61 | 84 |
| ## 503 | 86 | 24 | 86 | 23 |
| ## 504 | 116 | 79 | 116 | 33 |
| ## 505 | 95 | 10 | 45 | 10 |
| ## 506 | 45 | 70 | 90 | 60 |
| ## 507 | 5 | 15 | 65 | 30 |
| ## 508 | 45 | 92 | 42 | 91 |
| ## 509 | 108 | 92 | 108 | 35 |
| ## 510 | 45 | 40 | 45 | 42 |
| ## 511 | 65 | 50 | 55 | 82 |
| ## 512 | 95 | 80 | 85 | 102 |
| ## 513 | 115 | 120 | 95 | 92 |
| ## 514 | 40 | 40 | 85 | 5 |
| ## 515 | 40 | 35 | 40 | 60 |
| ## 516 | 70 | 115 | 70 | 90 |
| ## 517 | 88 | 140 | 70 | 112 |
| ## 518 | 78 | 38 | 42 | 32 |
| ## 519 | 118 | 68 | 72 | 47 |
| ## 520 | 90 | 30 | 55 | 65 |
| ## 521 | 110 | 60 | 75 | 95 |
| ## 522 | 40 | 61 | 40 | 50 |
| ## 523 | 65 | 86 | 65 | 85 |
| ## 524 | 72 | 90 | 72 | 46 |
| ## 525 | 56 | 49 | 61 | 66 |
| ## 526 | 76 | 69 | 86 | 91 |
| ## 527 | 50 | 60 | 120 | 50 |
| ## 528 | 50 | 62 | 60 | 40 |
| ## 529 | 75 | 92 | 85 | 60 |
| ## 530 | 105 | 132 | 105 | 30 |
| ## 531 | 65 | 45 | 85 | 125 |
| ## 532 | 115 | 130 | 90 | 60 |
| ## 533 | 95 | 80 | 95 | 50 |
| ## 534 | 130 | 55 | 55 | 40 |
| ## 535 | 125 | 110 | 50 | 50 |
| ## 536 | 67 | 95 | 85 | 95 |
| ## 537 | 67 | 125 | 95 | 83 |
| ## 538 | 95 | 120 | 115 | 80 |

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|--------|-----|-----|-----|-----|
| ## 539 | 86 | 116 | 56 | 95 |
| ## 540 | 130 | 60 | 65 | 95 |
| ## 541 | 110 | 130 | 95 | 65 |
| ## 542 | 125 | 45 | 75 | 95 |
| ## 543 | 80 | 70 | 60 | 80 |
| ## 544 | 70 | 135 | 75 | 90 |
| ## 545 | 65 | 65 | 115 | 80 |
| ## 546 | 95 | 65 | 115 | 110 |
| ## 547 | 145 | 75 | 150 | 40 |
| ## 548 | 135 | 65 | 135 | 45 |
| ## 549 | 70 | 80 | 70 | 110 |
| ## 550 | 77 | 95 | 77 | 91 |
| ## 551 | 107 | 105 | 107 | 86 |
| ## 552 | 107 | 105 | 107 | 86 |
| ## 553 | 107 | 105 | 107 | 86 |
| ## 554 | 107 | 105 | 107 | 86 |
| ## 555 | 107 | 105 | 107 | 86 |
| ## 556 | 130 | 75 | 130 | 95 |
| ## 557 | 105 | 105 | 105 | 80 |
| ## 558 | 70 | 125 | 70 | 115 |
| ## 559 | 120 | 150 | 100 | 90 |
| ## 560 | 100 | 150 | 120 | 100 |
| ## 561 | 106 | 130 | 106 | 77 |
| ## 562 | 110 | 80 | 110 | 100 |
| ## 563 | 120 | 100 | 120 | 90 |
| ## 564 | 100 | 120 | 100 | 90 |
| ## 565 | 120 | 75 | 130 | 85 |
| ## 566 | 80 | 80 | 80 | 80 |
| ## 567 | 100 | 100 | 100 | 100 |
| ## 568 | 90 | 135 | 90 | 125 |
| ## 569 | 100 | 100 | 100 | 100 |
| ## 570 | 75 | 120 | 75 | 127 |
| ## 571 | 120 | 120 | 120 | 120 |
| ## 572 | 100 | 100 | 100 | 100 |
| ## 573 | 55 | 45 | 55 | 63 |
| ## 574 | 75 | 60 | 75 | 83 |
| ## 575 | 95 | 75 | 95 | 113 |
| ## 576 | 45 | 45 | 45 | 45 |
| ## 577 | 55 | 70 | 55 | 55 |
| ## 578 | 65 | 100 | 65 | 65 |
| ## 579 | 45 | 63 | 45 | 45 |
| ## 580 | 60 | 83 | 60 | 60 |
| ## 581 | 85 | 108 | 70 | 70 |
| ## 582 | 39 | 35 | 39 | 42 |
| ## 583 | 69 | 60 | 69 | 77 |
| ## 584 | 45 | 25 | 45 | 55 |
| ## 585 | 65 | 35 | 65 | 60 |
| ## 586 | 90 | 45 | 90 | 80 |
| ## 587 | 37 | 50 | 37 | 66 |
| ## 588 | 50 | 88 | 50 | 106 |
| ## 589 | 48 | 53 | 48 | 64 |
| ## 590 | 63 | 98 | 63 | 101 |
| ## 591 | 48 | 53 | 48 | 64 |
| ## 592 | 63 | 98 | 63 | 101 |

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| ## 593 | 48 | 53 | 48 | 64 |
| ## 594 | 63 | 98 | 63 | 101 |
| ## 595 | 45 | 67 | 55 | 24 |
| ## 596 | 85 | 107 | 95 | 29 |
| ## 597 | 50 | 36 | 30 | 43 |
| ## 598 | 62 | 50 | 42 | 65 |
| ## 599 | 80 | 65 | 55 | 93 |
| ## 600 | 32 | 50 | 32 | 76 |
| ## 601 | 63 | 80 | 63 | 116 |
| ## 602 | 85 | 25 | 25 | 15 |
| ## 603 | 105 | 50 | 40 | 20 |
| ## 604 | 130 | 60 | 80 | 25 |
| ## 605 | 43 | 55 | 43 | 72 |
| ## 606 | 55 | 77 | 55 | 114 |
| ## 607 | 40 | 30 | 45 | 68 |
| ## 608 | 60 | 50 | 65 | 88 |
| ## 609 | 86 | 60 | 86 | 50 |
| ## 610 | 126 | 80 | 126 | 50 |
| ## 611 | 55 | 25 | 35 | 35 |
| ## 612 | 85 | 40 | 50 | 40 |
| ## 613 | 95 | 55 | 65 | 45 |
| ## 614 | 40 | 50 | 40 | 64 |
| ## 615 | 55 | 65 | 55 | 69 |
| ## 616 | 75 | 85 | 75 | 74 |
| ## 617 | 85 | 30 | 85 | 45 |
| ## 618 | 75 | 30 | 75 | 85 |
| ## 619 | 70 | 40 | 60 | 42 |
| ## 620 | 90 | 50 | 80 | 42 |
| ## 621 | 80 | 70 | 80 | 92 |
| ## 622 | 59 | 30 | 39 | 57 |
| ## 623 | 99 | 40 | 79 | 47 |
| ## 624 | 89 | 55 | 69 | 112 |
| ## 625 | 60 | 37 | 50 | 66 |
| ## 626 | 85 | 77 | 75 | 116 |
| ## 627 | 50 | 70 | 50 | 30 |
| ## 628 | 75 | 110 | 75 | 90 |
| ## 629 | 65 | 80 | 55 | 98 |
| ## 630 | 35 | 35 | 35 | 65 |
| ## 631 | 45 | 45 | 45 | 74 |
| ## 632 | 80 | 65 | 70 | 92 |
| ## 633 | 45 | 15 | 45 | 50 |
| ## 634 | 55 | 30 | 55 | 95 |
| ## 635 | 105 | 140 | 105 | 55 |
| ## 636 | 67 | 106 | 67 | 60 |
| ## 637 | 85 | 35 | 35 | 55 |
| ## 638 | 125 | 65 | 75 | 45 |
| ## 639 | 70 | 35 | 70 | 48 |
| ## 640 | 115 | 45 | 115 | 58 |
| ## 641 | 80 | 103 | 80 | 97 |
| ## 642 | 85 | 55 | 65 | 30 |
| ## 643 | 145 | 95 | 105 | 30 |
| ## 644 | 103 | 53 | 45 | 22 |
| ## 645 | 133 | 83 | 65 | 32 |
| ## 646 | 45 | 74 | 45 | 70 |

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|--------|-----|-----|-----|-----|
| ## 647 | 65 | 112 | 65 | 110 |
| ## 648 | 62 | 40 | 62 | 65 |
| ## 649 | 82 | 60 | 82 | 75 |
| ## 650 | 40 | 80 | 40 | 65 |
| ## 651 | 60 | 120 | 60 | 105 |
| ## 652 | 40 | 40 | 40 | 75 |
| ## 653 | 60 | 65 | 60 | 115 |
| ## 654 | 50 | 55 | 65 | 45 |
| ## 655 | 70 | 75 | 85 | 55 |
| ## 656 | 95 | 95 | 110 | 65 |
| ## 657 | 40 | 105 | 50 | 20 |
| ## 658 | 50 | 125 | 60 | 30 |
| ## 659 | 75 | 125 | 85 | 30 |
| ## 660 | 50 | 44 | 50 | 55 |
| ## 661 | 63 | 87 | 63 | 98 |
| ## 662 | 50 | 65 | 60 | 44 |
| ## 663 | 65 | 80 | 75 | 59 |
| ## 664 | 85 | 110 | 95 | 79 |
| ## 665 | 50 | 40 | 50 | 75 |
| ## 666 | 70 | 60 | 70 | 95 |
| ## 667 | 60 | 75 | 60 | 103 |
| ## 668 | 45 | 40 | 45 | 60 |
| ## 669 | 105 | 60 | 105 | 20 |
| ## 670 | 45 | 55 | 55 | 15 |
| ## 671 | 70 | 85 | 80 | 30 |
| ## 672 | 50 | 65 | 85 | 40 |
| ## 673 | 70 | 85 | 105 | 60 |
| ## 674 | 80 | 40 | 45 | 65 |
| ## 675 | 50 | 57 | 50 | 65 |
| ## 676 | 60 | 97 | 60 | 108 |
| ## 677 | 91 | 24 | 86 | 10 |
| ## 678 | 131 | 54 | 116 | 20 |
| ## 679 | 70 | 45 | 60 | 30 |
| ## 680 | 95 | 70 | 85 | 50 |
| ## 681 | 115 | 70 | 85 | 90 |
| ## 682 | 40 | 45 | 40 | 60 |
| ## 683 | 70 | 75 | 70 | 40 |
| ## 684 | 80 | 105 | 80 | 50 |
| ## 685 | 55 | 85 | 55 | 30 |
| ## 686 | 75 | 125 | 95 | 40 |
| ## 687 | 55 | 65 | 55 | 20 |
| ## 688 | 60 | 95 | 60 | 55 |
| ## 689 | 90 | 145 | 90 | 80 |
| ## 690 | 60 | 30 | 40 | 57 |
| ## 691 | 70 | 40 | 50 | 67 |
| ## 692 | 90 | 60 | 70 | 97 |
| ## 693 | 40 | 60 | 40 | 40 |
| ## 694 | 80 | 70 | 80 | 50 |
| ## 695 | 50 | 95 | 135 | 105 |
| ## 696 | 85 | 40 | 65 | 25 |
| ## 697 | 40 | 100 | 60 | 145 |
| ## 698 | 84 | 81 | 99 | 32 |
| ## 699 | 50 | 55 | 50 | 65 |
| ## 700 | 60 | 95 | 60 | 105 |

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|--------|-----|-----|-----|-----|
| ## 701 | 90 | 60 | 90 | 48 |
| ## 702 | 50 | 35 | 50 | 35 |
| ## 703 | 80 | 55 | 80 | 55 |
| ## 704 | 70 | 40 | 40 | 60 |
| ## 705 | 100 | 60 | 70 | 70 |
| ## 706 | 95 | 40 | 95 | 55 |
| ## 707 | 50 | 37 | 50 | 60 |
| ## 708 | 75 | 57 | 75 | 80 |
| ## 709 | 75 | 45 | 65 | 60 |
| ## 710 | 105 | 55 | 95 | 80 |
| ## 711 | 66 | 105 | 66 | 65 |
| ## 712 | 112 | 48 | 48 | 109 |
| ## 713 | 50 | 45 | 50 | 38 |
| ## 714 | 70 | 65 | 70 | 58 |
| ## 715 | 90 | 125 | 90 | 98 |
| ## 716 | 55 | 50 | 55 | 60 |
| ## 717 | 65 | 135 | 105 | 100 |
| ## 718 | 129 | 90 | 72 | 108 |
| ## 719 | 90 | 72 | 90 | 108 |
| ## 720 | 72 | 90 | 129 | 108 |
| ## 721 | 70 | 125 | 80 | 111 |
| ## 722 | 80 | 110 | 90 | 121 |
| ## 723 | 70 | 125 | 80 | 111 |
| ## 724 | 70 | 145 | 80 | 101 |
| ## 725 | 100 | 150 | 120 | 90 |
| ## 726 | 120 | 120 | 100 | 90 |
| ## 727 | 90 | 115 | 80 | 101 |
| ## 728 | 90 | 105 | 80 | 91 |
| ## 729 | 90 | 130 | 90 | 95 |
| ## 730 | 100 | 120 | 90 | 95 |
| ## 731 | 90 | 170 | 100 | 95 |
| ## 732 | 90 | 129 | 90 | 108 |
| ## 733 | 90 | 129 | 90 | 108 |
| ## 734 | 77 | 128 | 128 | 90 |
| ## 735 | 90 | 77 | 77 | 128 |
| ## 736 | 95 | 120 | 95 | 99 |
| ## 737 | 65 | 48 | 45 | 38 |
| ## 738 | 95 | 56 | 58 | 57 |
| ## 739 | 122 | 74 | 75 | 64 |
| ## 740 | 40 | 62 | 60 | 60 |
| ## 741 | 58 | 90 | 70 | 73 |
| ## 742 | 72 | 114 | 100 | 104 |
| ## 743 | 40 | 62 | 44 | 71 |
| ## 744 | 52 | 83 | 56 | 97 |
| ## 745 | 67 | 103 | 71 | 122 |
| ## 746 | 67 | 153 | 71 | 132 |
| ## 747 | 38 | 32 | 36 | 57 |
| ## 748 | 77 | 50 | 77 | 78 |
| ## 749 | 43 | 40 | 38 | 62 |
| ## 750 | 55 | 56 | 52 | 84 |
| ## 751 | 71 | 74 | 69 | 126 |
| ## 752 | 40 | 27 | 25 | 35 |
| ## 753 | 60 | 27 | 30 | 29 |
| ## 754 | 50 | 90 | 50 | 89 |

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|--------|-----|-----|-----|-----|
| ## 755 | 58 | 73 | 54 | 72 |
| ## 756 | 72 | 109 | 66 | 106 |
| ## 757 | 39 | 61 | 79 | 42 |
| ## 758 | 47 | 75 | 98 | 52 |
| ## 759 | 68 | 112 | 154 | 75 |
| ## 760 | 48 | 62 | 57 | 52 |
| ## 761 | 62 | 97 | 81 | 68 |
| ## 762 | 62 | 46 | 48 | 43 |
| ## 763 | 78 | 69 | 71 | 58 |
| ## 764 | 60 | 65 | 90 | 102 |
| ## 765 | 54 | 63 | 60 | 68 |
| ## 766 | 76 | 83 | 81 | 104 |
| ## 767 | 76 | 83 | 81 | 104 |
| ## 768 | 100 | 35 | 37 | 28 |
| ## 769 | 150 | 45 | 49 | 35 |
| ## 770 | 50 | 150 | 50 | 60 |
| ## 771 | 150 | 50 | 150 | 60 |
| ## 772 | 60 | 63 | 65 | 23 |
| ## 773 | 72 | 99 | 89 | 29 |
| ## 774 | 66 | 59 | 57 | 49 |
| ## 775 | 86 | 85 | 75 | 72 |
| ## 776 | 53 | 37 | 46 | 45 |
| ## 777 | 88 | 68 | 75 | 73 |
| ## 778 | 67 | 39 | 56 | 50 |
| ## 779 | 115 | 54 | 86 | 68 |
| ## 780 | 60 | 60 | 60 | 30 |
| ## 781 | 90 | 97 | 123 | 44 |
| ## 782 | 62 | 58 | 63 | 44 |
| ## 783 | 88 | 120 | 89 | 59 |
| ## 784 | 33 | 61 | 43 | 70 |
| ## 785 | 52 | 109 | 94 | 109 |
| ## 786 | 77 | 45 | 45 | 48 |
| ## 787 | 119 | 69 | 59 | 71 |
| ## 788 | 50 | 67 | 63 | 46 |
| ## 789 | 72 | 99 | 92 | 58 |
| ## 790 | 65 | 110 | 130 | 60 |
| ## 791 | 75 | 74 | 63 | 118 |
| ## 792 | 57 | 81 | 67 | 101 |
| ## 793 | 150 | 50 | 150 | 50 |
| ## 794 | 35 | 55 | 75 | 40 |
| ## 795 | 53 | 83 | 113 | 60 |
| ## 796 | 70 | 110 | 150 | 80 |
| ## 797 | 91 | 80 | 87 | 75 |
| ## 798 | 48 | 50 | 60 | 38 |
| ## 799 | 76 | 65 | 82 | 56 |
| ## 800 | 70 | 44 | 55 | 51 |
| ## 801 | 70 | 44 | 55 | 56 |
| ## 802 | 70 | 44 | 55 | 46 |
| ## 803 | 70 | 44 | 55 | 41 |
| ## 804 | 122 | 58 | 75 | 84 |
| ## 805 | 122 | 58 | 75 | 99 |
| ## 806 | 122 | 58 | 75 | 69 |
| ## 807 | 122 | 58 | 75 | 54 |
| ## 808 | 85 | 32 | 35 | 28 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 809 | 184 | 44 | 46 | 28 |
| ## 810 | 35 | 45 | 40 | 55 |
| ## 811 | 80 | 97 | 80 | 123 |
| ## 812 | 95 | 131 | 98 | 99 |
| ## 813 | 95 | 131 | 98 | 99 |
| ## 814 | 121 | 81 | 95 | 95 |
| ## 815 | 71 | 61 | 85 | 115 |
| ## 816 | 121 | 91 | 95 | 85 |
| ## 817 | 150 | 100 | 150 | 50 |
| ## 818 | 110 | 160 | 110 | 110 |
| ## 819 | 60 | 150 | 130 | 70 |
| ## 820 | 60 | 170 | 130 | 80 |
| ## 821 | 120 | 130 | 90 | 70 |
| ## 822 | 55 | 50 | 50 | 42 |
| ## 823 | 75 | 70 | 70 | 52 |
| ## 824 | 75 | 100 | 100 | 70 |
| ## 825 | 40 | 60 | 40 | 70 |
| ## 826 | 50 | 80 | 50 | 90 |
| ## 827 | 90 | 80 | 90 | 60 |
| ## 828 | 54 | 66 | 56 | 40 |
| ## 829 | 69 | 91 | 81 | 50 |
| ## 830 | 74 | 126 | 116 | 60 |
| ## 831 | 30 | 30 | 30 | 65 |
| ## 832 | 50 | 40 | 50 | 75 |
| ## 833 | 75 | 75 | 75 | 60 |
| ## 834 | 30 | 30 | 30 | 45 |
| ## 835 | 60 | 55 | 60 | 45 |
| ## 836 | 45 | 55 | 45 | 46 |
| ## 837 | 95 | 55 | 75 | 36 |
| ## 838 | 90 | 145 | 75 | 43 |
| ## 839 | 57 | 42 | 47 | 63 |
| ## 840 | 77 | 62 | 67 | 43 |
| ## 841 | 70 | 98 | 70 | 93 |
| ## 842 | 70 | 98 | 70 | 93 |
| ## 843 | 70 | 98 | 70 | 93 |
| ## 844 | 70 | 98 | 70 | 93 |
| ## 845 | 40 | 55 | 40 | 84 |
| ## 846 | 60 | 95 | 70 | 124 |
| ## 847 | 40 | 30 | 40 | 60 |
| ## 848 | 65 | 55 | 65 | 112 |
| ## 849 | 75 | 55 | 75 | 82 |
| ## 850 | 65 | 55 | 65 | 110 |
| ## 851 | 20 | 25 | 25 | 40 |
| ## 852 | 130 | 140 | 135 | 30 |
| ## 853 | 62 | 43 | 52 | 45 |
| ## 854 | 152 | 53 | 142 | 35 |
| ## 855 | 70 | 45 | 55 | 45 |
| ## 856 | 100 | 55 | 85 | 35 |
| ## 857 | 52 | 40 | 72 | 27 |
| ## 858 | 92 | 50 | 132 | 42 |
| ## 859 | 35 | 50 | 35 | 35 |
| ## 860 | 90 | 80 | 90 | 45 |
| ## 861 | 55 | 65 | 75 | 15 |
| ## 862 | 80 | 90 | 100 | 30 |

| | | | | |
|--------|-----|-----|-----|-----|
| ## 863 | 40 | 71 | 40 | 77 |
| ## 864 | 60 | 111 | 60 | 117 |
| ## 865 | 50 | 45 | 50 | 50 |
| ## 866 | 80 | 55 | 60 | 60 |
| ## 867 | 38 | 30 | 38 | 32 |
| ## 868 | 48 | 40 | 48 | 62 |
| ## 869 | 98 | 50 | 98 | 72 |
| ## 870 | 90 | 82 | 110 | 100 |
| ## 871 | 80 | 90 | 110 | 60 |
| ## 872 | 90 | 40 | 60 | 80 |
| ## 873 | 40 | 20 | 30 | 80 |
| ## 874 | 140 | 60 | 90 | 40 |
| ## 875 | 80 | 70 | 45 | 15 |
| ## 876 | 110 | 100 | 75 | 35 |
| ## 877 | 130 | 30 | 130 | 5 |
| ## 878 | 95 | 95 | 95 | 59 |
| ## 879 | 95 | 95 | 95 | 95 |
| ## 880 | 100 | 60 | 100 | 60 |
| ## 881 | 60 | 100 | 60 | 120 |
| ## 882 | 65 | 75 | 95 | 65 |
| ## 883 | 135 | 91 | 85 | 36 |
| ## 884 | 63 | 40 | 73 | 96 |
| ## 885 | 80 | 50 | 105 | 96 |
| ## 886 | 70 | 70 | 70 | 92 |
| ## 887 | 85 | 135 | 91 | 36 |
| ## 888 | 100 | 86 | 90 | 40 |
| ## 889 | 65 | 45 | 45 | 45 |
| ## 890 | 90 | 65 | 70 | 65 |
| ## 891 | 125 | 100 | 105 | 85 |
| ## 892 | 85 | 95 | 75 | 130 |
| ## 893 | 75 | 130 | 115 | 95 |
| ## 894 | 115 | 85 | 95 | 75 |
| ## 895 | 115 | 95 | 130 | 85 |
| ## 896 | 31 | 29 | 31 | 37 |
| ## 897 | 131 | 29 | 131 | 37 |
| ## 898 | 107 | 113 | 89 | 97 |
| ## 899 | 89 | 137 | 107 | 97 |
| ## 900 | 47 | 127 | 131 | 103 |
| ## 901 | 139 | 53 | 53 | 79 |
| ## 902 | 37 | 137 | 37 | 151 |
| ## 903 | 71 | 173 | 71 | 83 |
| ## 904 | 103 | 107 | 101 | 61 |
| ## 905 | 131 | 59 | 31 | 109 |
| ## 906 | 53 | 97 | 53 | 43 |
| ## 907 | 101 | 127 | 89 | 79 |
| ## 908 | 127 | 113 | 109 | 77 |
| ## 909 | 109 | 157 | 127 | 77 |
| ## 910 | 97 | 167 | 97 | 129 |
| ## 911 | 115 | 130 | 115 | 65 |
| ## 912 | 80 | 90 | 90 | 125 |
| ## 913 | 67 | 73 | 67 | 73 |
| ## 914 | 73 | 127 | 73 | 121 |
| ## 915 | 211 | 53 | 101 | 13 |

```
## 916      53      151      79    107
## 917      75      102      80    143
```

```
list.files()
```

```
## [1] "active-satellites.csv"
## [2] "allpokemon.csv"
## [3] "ass1.html"
## [4] "Ass1.tex"
## [5] "ass2.html"
## [6] "assignment1.Rmd"
## [7] "assignment2.html"
## [8] "assignment2.Rmd"
## [9] "assignment2_files"
## [10] "babynames.csv"
## [11] "barplot_Marital.jpg"
## [12] "boxplot_Total.jpg"
## [13] "boxplot_Total_in_.jpg"
## [14] "boxplot_Total_in_allpokemon.csv.jpg"
## [15] "boxplot1.jpeg"
## [16] "DATA202 Assignment 2.pdf"
## [17] "newDB.sqlite"
## [18] "newtitanic.csv"
## [19] "R±Ê¼Ç(18-250³×iö00ª) for Quiz 1.docx"
## [20] "surf.csv"
## [21] "titanic.csv"
## [22] "Week1_1.Rmd"
## [23] "week2.R"
## [24] "week3.R"
## [25] "week3_1.R"
## [26] "week5.R"
## [27] "ypd.csv"
```