INSTRUCTIONS:

1Th row	₂ Fill
	• • • 0dd = 0 • • • Even = 1
••	0
	1
••	0
$\overline{\bullet}$	0
	1
	1
••	0
lacksquare	0
	0
	1

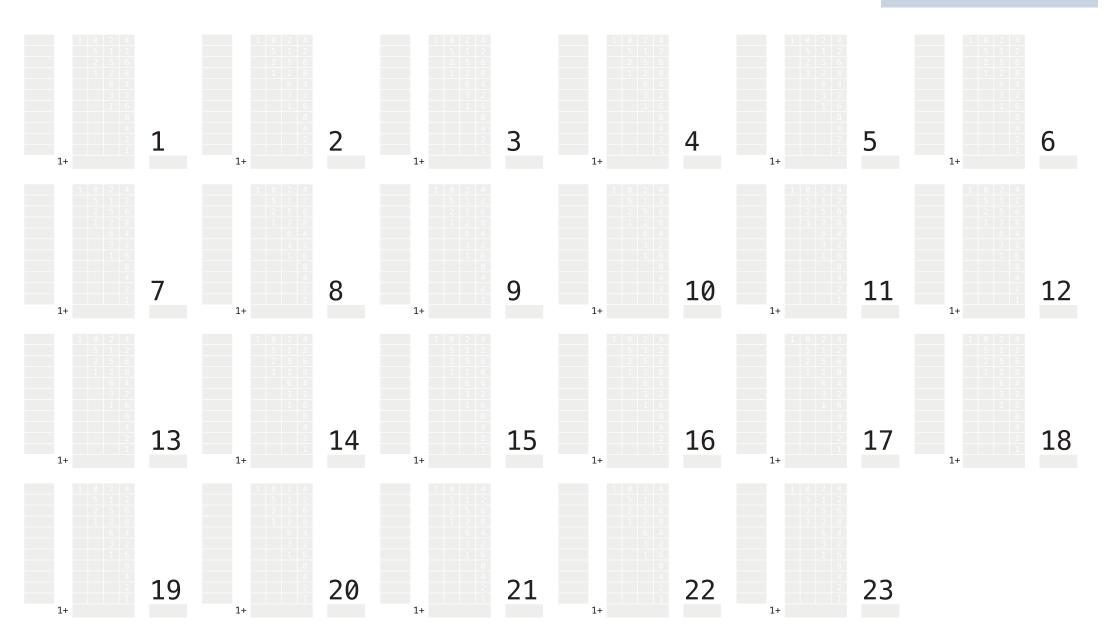
₃Calculate				
1	+			
1x2	+			
1x16	+			
1x32	+			
1x512	+			
1+2+16+32+512 =	563			





BIP-0039 dice calculator





BIP-0039 English list

```
0001 abandon 0028 address
                           0055 almost
                                                          0109 assault
                                                                        0136 axis
                                                                                       0163 begin
                                           0082 any
0002 ability
             0029 adiust
                            0056 alone
                                           0083 apart
                                                          0110 asset
                                                                        0137
                                                                             baby
                                                                                       0164 behave
0003 able
             0030 admit
                            0057 alpha
                                           0084 apology
                                                               assist
                                                                        0138 bachelor 0165
                                                                                            behind
                                           0085 appear
                                                                        0139 bacon
0004 about
             0031 adult
                            0058 already
                                                              assume
                                                                                       0166 believe
0005 above
             0032 advance
                                           0086 apple
                                                               asthma
                                                                        0140 badge
                                                                                       0167 below
                            0059 also
                                                          0113
0006 absent
             0033 advice
                            0060 alter
                                           0087 approve
                                                          0114
                                                               athlete
                                                                        0141
                                                                             bag
                                                                                       0168 belt
                                           0088 april
     absorb
             0034 aerobic
                                 always
                                                               atom
                                                                             balance
                                                                                            bench
                                                                        0143 balcony
    abstract 0035 affair
                                 amatéur
                                           0089 arch
                                                               attack
                                                                                       0170 benefit
     absurd
             0036 afford
                                 amazing
                                           0090 arctic
                                                               attend
                                                                        0144 ball
                                                                                       0171
                                                                                            best
0010 abuse
                  afraid
                            0064
                                 among
                                           0091 area
                                                               attitude
                                                                        0145 bamboo
                                                                                            betrav
                                                          0119
     access
             0038 again
                            0065
                                 amount
                                           0092 arena
                                                              attract
                                                                        0146
                                                                             banana
                                                                                       0173
                                                                                            better
     accident 0039 age
                            0066
                                 amused
                                           0093 arque
                                                          0120 auction
                                                                        0147
                                                                             banner
                                                                                       0174 between
     account 0040 agent
                                 analyst
                                           0094 arm
                                                          0121
                                                               audit
                                                                        0148 bar
                                                                                       0175 beyond
                                 anchor
                                           0095 armed
                                                               august
                                                                        0149 barely
                                                                                       0176 bicycle
0014 accuse
             0041 agree
0015 achieve 0042 ahead
                            0069
                                 ancient
                                           0096 armor
                                                               aunt
                                                                        0150 bargain
                                                                                            bid
                            0070
                                                               author
                                                                        0151
                                                                             barrel
                                                                                       0178 bike
0016 acid
             0043 aim
                                 anger
                                           0097 army
     acoustic 0044 air
                                 angle
                                           0098 around
                                                               auto
                                                                        0152
                                                                             base
                                                                                       0179 bind
     acquire 0045 airport
                            007
                                 angry
                                           0099 arrange
                                                               autumn
                                                                        0153
                                                                             basic
                                                                                       0180 biology
                                 animál
                                           0100 arrest
                                                                                       0181 bird
0019 across
             0046 aisle
                                                               average
                                                                             basket
0020 act
             0047 alarm
                            0074
                                 ankle
                                                arrive
                                                                                            birth
                                                               avocado
                                                                             battle
             0048 album
                                 announce
                                                          0129 avoid
0021 action
                                           0102 arrow
                                                                             beach
                                                                                       0183 bitter
     actor
             0049 alcohol
                            0076
                                 annual
                                           0103 art
                                                          0130 awake
                                                                        0157
                                                                             bean
                                                                                       0184 black
0023 actress
             0050 alert
                                 another
                                           0104 artefact
                                                               aware
                                                                        0158
                                                                             beauty
                                                                                       0185 blade
                            0078
                                                                                            blame
0024 actual
             0051 alien
                                 answer
                                                artist
                                                               away
                                                                             because
0025 adapt
             0052 all
                                 antenna
                                           0106 artwork
                                                               awesome
                                                                        0160 become
                                                                                       0187 blanket
0026 add
             0053 alley
                            0080 antique
                                           0107 ask
                                                          0134 awful
                                                                        0161 beef
                                                                                       0188 blast
             0054 allow
0027 addict
                            0081 anxiety
                                          0108 aspect
                                                         0135 awkward
                                                                        0162 before
                                                                                       0189 bleak
```

```
0190 bless
             0228 broccoli 0266 cancel
                                           0304 chalk
                                                         0342 click
                                                                        0380 control 0418 crouch
             0229 broken
                            0267 candy
                                           0305 champion 0343 client
0191 blind
                                                                        0381 convince 0419 crowd
0192 blood 0230
0193 blossom 0231
             0230 bronze
                            0268 cannon
                                           0306 change
                                                         0344 cliff
                                                                        0382 cook
                                                                                       0420 crucial
                  broom
                                           0307 chaos
                                                         0345 climb
                                                                        0383 cool
                            0269 canoe
                                                                                       0421 cruel
0194 blouse
             0232 brother
                                           0308 chapter
                                                         0346 clinic
                                                                                      0422 cruise
                            0270 canvas
                                                                        0384 copper
0195 blue
                                           0309 charge
                                                         0347 clip
             0233 brown
                                                                        0385 copy
                                                                                       0423 crumble
                                 canyon
0196 blur
              0234 brush
                                 capáble
                                          0310 chase
                                                         0348 clock
                                                                        0386 corál
                                                                                       0424 crunch
                                                         0349 clog
                                                                        0387 core
0197 blush
             0235 bubble
                            0273 capital
                                           0311 chat
                                                                                       0425 crush
0198 board
0199 boat
             0236 buddy
0237 budge
                                                                                      0426 cry
0427 crystal
                            0274 captain
                                           0312
                                                cheap
                                                         0350 close
                                                                        0388 corn
                  budget
                                 car
                                                check
                                                              cloth
                                                                        0389 correct
0200 body
             0238 buffalo
                                                                                       0428 cube
                            0276 carbon
                                           0314 cheese
                                                         0352 cloud
                                                                        0390 cost
0201 boil
                                                                                      0429 culture
             0239 build
                                 card
                                           0315 chef
                                                         0353 clown
                                                                        0391 cotton
0202 bomb
             0240 bulb
                            0278 cargo
                                           0316 cherry
                                                         0354 club
                                                                        0392 couch
                                                                                       0430 cup
0203 bone
             0241 bulk
                            0279 carpet
                                           0317 chest
                                                         0355 clump
                                                                        0393 country
                                                                                      0431 cupboard
                            0280 carry
0204 bonus
             0242 bullet
                                           0318 chicken
                                                         0356 cluster
                                                                        0394 couple
                                                                                       0432 curious
0205 book
             0243 bundle
                            0281 cart
                                           0319 chief
                                                         0357 clutch
                                                                        0395 course
                                                                                      0433 current
0206 boost
             0244 bunker
                            0282 case
                                           0320 child
                                                         0358 coach
                                                                                      0434 curtain
                                                                        0396 cousin
0207 border
             0245
                  burden
                            0283 cash
                                           0321 chimney
                                                         0359 coast
                                                                        0397 cover
                                                                                       0435 curve
0208 boring
                            0284 casino
                                                                                      0436 cushion
                  burger
                                                choice
                                                         0360 coconut
                                                                        0398 coyote
                                                                        0399 crack
0209 borrow
             0247 burst
                            0285 castle
                                           0323 choose
                                                          0361 code
                                                                                       0437 custom
             0248 bus
                                           0324 chronic
                                                              coffee
                                                                                       0438 cute
0210 boss
                            0286 casual
                                                                        0400 cradle
0211 bottom
             0249 business 0287 cat
                                           0325 chuckle
                                                         0363 coil
                                                                        0401 craft
                                                                                       0439 cycle
0212 bounce
             0250 busy
                            0288 catalog
                                          0326 chunk
                                                         0364 coin
                                                                        0402 cram
                                                                                       0440 dad
0213 box
              0251 butter
                            0289 catch
                                           0327 churn
                                                         0365 collect
                                                                        0403 crane
                                                                                       0441 damage
                                                                                       0442 damp
0214 boy
                            0290 category 0328 cigar
                                                                        0404 crash
                  buyer
                                                         0366 color
0215 bracket 0253 buzz
                            0291 cattle
                                           0329 cinnamon 0367 column
                                                                        0405 crater
                                                                                      0443 dance
0216 brain
                                           0330 circle
                                                                        0406 crawl
                                                                                       0444 danger
                  cabbage
                                caught
                                                         0368 combine
0217 brand
                  cabin
                            0293 cause
                                           0331 citizen
                                                         0369 come
                                                                        0407 crazy
                                                                                       0445 daring
0218 brass
             0256 cable
                            0294 caution 0332 city
                                                         0370 comfort
                                                                       0408 cream
                                                                                       0446 dash
                            0295 cave
0219 brave
             0257
                  cactus
                                           0333 civil
                                                         0371
                                                              comic
                                                                        0409 credit
                                                                                      0447 daughter
             0258 cage
                            0296 ceiling
0220 bread
                                          0334 claim
                                                                        0410 creek
                                                                                       0448 dawn
                                                         0372
                                                              common
0221 breeze
                            0297 celery
                                           0335 clap
             0259 cake
                                                         0373 company
                                                                       0411 crew
                                                                                       0449 day
0222 brick
              0260 call
                            0298 cement
                                           0336 clarify
                                                         0374 concert
                                                                       0412 cricket
                                                                                      0450 deal
0223 bridge
             0261 calm
                            0299 census
                                           0337 claw
                                                              conduct
                                                                       0413 crime
                                                                                       0451 debate
0224 brief
             0262 camera
                            0300 century
                                           0338 clay
                                                         0376 confirm
                                                                        0414 crisp
                                                                                       0452 debris
                                          0339 clean
0225 bright
             0263 camp
                            0301 cereal
                                                         0377
                                                              congress 0415 critic
                                                                                      0453 decade
0226 bring
             0264 can
                            0302 certain
                                          0340 clerk
                                                         0378 connect 0416 crop
                                                                                       0454 december
0227 brisk
                                                         0379 consider 0417 cross
             0265 canal
                            0303 chair
                                           0341 clever
                                                                                      0455 decide
```

```
0456 decline 0494 diet
                            0532 draw
                                           0570 elbow
     decorate 0495 differ
                                 dream
                                               elder
     decrease 0496 digital
                                 dress
0459 deer
             0497 dianity
                            0535 drift
                                           0573 elegant
0460 defense 0498 dilemma
                                 drill
                                           0574 element
     define
             0499 dinner
                                 drink
                                           0575 elephant 0613
0462 defy
             0500 dinosaur 0538 drip
                                           0576 elevator 0614
                                           0577 elite
    degree
             0501 direct
                            0539 drive
0464 delay
                  dirt
                            0540 drop
                                           0578 else
0465 deliver
             0503 disagree 0541 drum
                                           0579 embark
0466 demand
             0504 discover 0542
                                 dry
                                               embody
     demise
             0505 disease 0543 duck
                                               embraće
0468
     denial
             0506 dish
                            0544 dumb
                                                emerge
    dentist
             0507 dismiss 0545 dune
                                               emotion
             0508 disorder 0546 during
0470
                                               employ
     depart
             0509 display 0547 dust
                                           0585 empower
     depend
             0510 distance 0548 dutch
                                           0586 empty
     deposit 0511 divert
                            0549 dutv
                                           0587
                                               enable
     depth
             0512 divide
                            0550
                                 dwarf
                                           0588 enact
     deputy
             0513 divorce
                                 dynamic
                                           0589 end
     derivé
             0514 dizzy
                                           0590 endless
                                 eager
                                           0591 endorse
     describe 0515 doctor
                            0553
                                 eagle
             0516 document 0554
     desert
                                 early
                                               enemy
0479
    design
             0517 dog
                                 earn
                                               energy
0480 desk
             0518 doll
                            0556 earth
                                           0594 enforce
    despair 0519 dolphin
                                 easily
                                           0595 engage
                            0558
    destroy 0520 domain
                                 east
                                           0596 engine
0483 detail
                  donate
                                 easy
                                           0597 enhance
                            0560 echo
0484 detect
                  donkey
                                           0598 enjoy
     develop
                  donor
                                 ecology
                                           0599 enlist
0486 device
             0524 door
                            0562
                                 economy
                                           0600 enough
     devote
                  dose
                            0563
                                 edge
                                           0601 enrich
0488 diagram
             0526 double
                            0564 edit
                                           0602 enroll
0489 dial
                  dove
                            0565 educate
                                          0603 ensure
0490 diamond
                            0566 effort
             0528 draft
                                           0604 enter
0491 diary
             0529 dragon
                            0567
                                 egg
                                           0605 entire
             0530 drama
0492 dice
                            0568 eight
                                           0606 entry
0493 diesel
                           0569 either
                                          0607 envelope 0645 explain
             0531 drastic
```

```
0608 episode
                        0646 expose
                                        0684 fever
         0609 equal
                         0647 express
                                        0685
                                             few
                         0648 extend
electric 0610
              equip
                                             fiber
         0611 era
                         0649 extra
                                        0687 fiction
              erase
                        0650 eye
                                        0688 field
              erode
                              eyebrow
                                       0689 figure
                             fabric
                        0652
                                        0690 file
              erosion
         0615
              error
                             face
                                        0691 film
                             faculty
                                        0692 filter
         0616
              erupt
         0617
              escape
                        0655
                             fade
                                        0693 final
              essay
                         0656
                              faint
                                        0694 find
              essence
                              faith
                                        0695 fine
         0620 estate
                         0658 fall
                                        0696 finger
         0621
              eternal
                         0659
                             false
                                        0697
                                            finish
              ethics
                         0660
                             fame
                                        0698
                                             fire
         0623
              evidence
                        0661
                             family
                                        0699 firm
         0624 evil
                         0662
                             famous
                                        0700 first
         0625 evoke
                         0663
                             fan
                                        0701 fiscal
              evolve
                        0664
                              fancy
                                        0702 fish
                                        0703 fit
                         0665
                             fantasy
              exact
              example
                                        0704 fitness
                              farm
              excess
                             fashion
                        0667
                                        0705 fix
         0630 exchange
                        0668
                                        0706 flag
                             fat
                        0669
                             fatal
                                        0707 flame
              excite
         0632 exclude
                         0670 father
                                        0708 flash
         0633 excuse
                        0671
                              fatigue
                                        0709 flat
         0634 execute
                              fault
                                        0710 flavor
         0635 exercise 0673
                              favorite 0711
                                             flee
                                            flight
         0636 exhaust
                        0674
                             feature
                        0675 february 0713 flip
              exhibit
                         0676 federal
         0638 exile
                                       0714 float
                                             flock
         0639 exist
                         0677
                              fee
         0640 exit
                         0678 feed
                                             floor
                                        0717 flower
         0641 exotic
                        0679 feel
         0642 expand
                        0680
                             female
                                        0718 fluid
         0643 expect
                        0681
                              fence
                                        0719 flush
                             festival 0720 fly
         0644 expire
                        0682
```

0683 fetch

```
0722 focus
             0760 galaxy
                            0798 glove
                                          0836 half
                                                         0874 honey
                                                                        0912 impose
                                                                                      0950 issue
    fog
foil
                  gallery
                            0799 glow
                                           0837 hammer
                                                         0875 hood
                                                                        0913 improve
                                                                                      0951 item
                            0800 ğlue
                                                         0876 hope
                  game
                                           0838 hamster
                                                                        0914 impulse
                                                                                      0952 ivory
                            0801 goat
                                                                                      0953 jacket
0725 fold
             0763 gap
                                           0839 hand
                                                         0877 horn
                                                                        0915 inch
                            0802 goddess
                                                                        0916 include
0726 follow
             0764
                  garage
                                          0840 happy
                                                         0878 horror
                                                                                      0954
                                                                                           iaguar
    food
             0765
                  ğarbăge
                            0803 gold
                                           0841 harbór
                                                         0879 horse
                                                                        0917 income
                                                                                            ìar
0728 foot
             0766 garden
                            0804 good
                                           0842 hard
                                                         0880 hospital
                                                                       0918 increase 0956
                                                                                            jazz
0729 force
                            0805 goose
             0767 garlic
                                           0843 harsh
                                                         0881 host
                                                                        0919 index
                                                                                            iealous
             0768 garment
                            0806 gorilla
                                                                        0920 indicate 0958
0730 forest
                                          0844 harvest
                                                         0882 hotel
                                                                                            ieans
    forget
             0769 gas
                            0807 gospel
                                           0845 hat
                                                         0883 hour
                                                                        0921 indoor
                                                                                           iellv
    fork
                  gasp
                            0808 gossip
                                           0846 have
                                                         0884 hover
                                                                        0922 industry 0960
                                                                                            iewe]
                                          0847 hawk
    fortune 0771
                  ğate
                            0809 govern
                                                         0885 hub
                                                                        0923 infant
                                                                                           iob
0734 forum
                  gather
                            0810 gown
                                           0848 hazard
                                                         0886 huae
                                                                        0924 inflict
                                                                                      0962
                                                                                           ìoin
                            0811 grab
                                                         0887 human
                                                                        0925 inform
0926 inhale
    forward 077
                  gauge
                                           0849 head
                                                                                      0963
                                                                                           joke
                            0812 grace
                                           0850 health
                                                         0888 humble
    fossil
                  gaze
                                                                                            iourney
0737 foster
             0775
                  ğeneral
                            0813 grain
                                          0851 heart
                                                         0889 humor
                                                                        0927 inherit
                                                                                      0965
                                                                                           iov
0738 found
             0776 genius
                            0814 grant
                                           0852 heavy
                                                         0890 hundred
                                                                        0928 initial
                                                                                      0966
                                                                                           iudge
                                                                        0929 inject
0739 fox
                  genre
                            0815 grape
                                           0853 hedgehog 0891 hungry
                                                                                      0967
                                                                                            iuice
                                                         0892 hunt
0740 fragile 0778 gentle
                            0816 grass
                                           0854 height
                                                                        0930 injury
                                                                                           jump
             0779 genuine
                                          0855 hello
                                                         0893 hurdle
0741 frame
                            0817 gravity
                                                                        0931 inmate
                                                                                      0969
                                                                                           jungle
0742 frequent0780 desture
                            0818 great
                                           0856 helmet
                                                         0894 hurry
                                                                        0932 inner
                                                                                      0970
                                                                                           iunior
0743 fresh
             0781 ğhost
                                           0857 help
                                                         0895 hurt
                            0819 green
                                                                        0933 innocent 0971
                                                                                           junk
             0782 giant
                                                                        0934 input
0744 friend
                            0820 grid
                                           0858 hen
                                                         0896 husband
                                                                                           just
0745 fringe
             0783 gift
                            0821 grief
                                          0859 hero
                                                         0897 hybrid
                                                                        0935 inquiry
                                                                                           kangaroo
0746 frog
             0784 ğiggle
                            0822 arit
                                           0860 hidden
                                                         0898 ice
                                                                        0936 insane
                                                                                      0974 keen
0747 front
             0785 ginger
                            0823 grocery
                                          0861 high
                                                         0899 icon
                                                                        0937 insect
                                                                                      0975 keep
                                          0862 hill
                                                         0900 idea
0748 frost
             0786 giraffe
                            0824 group
                                                                        0938 inside
                                                                                      0976 ketchup
             0787 ğirl
                                           0863 hint
0749 frown
                                                         0901 identify 0939 inspire
                                                                                      0977 key
                            0825 grow
0750 frozen
             0788 give
                                          0864 hip
                                                         0902 idle
                                                                        0940 install
                                                                                      0978 kick
                            0826 grunt
0751 fruit
                                           0865 hire
                                                         0903 ignore
0904 ill
             0789 glad
                            0827 guard
                                                                        0941 intact
                                                                                      0979 kid
                            0828 guess
0752 fuel
             0790 glance
                                           0866 history
                                                                        0942 interest 0980 kidney
                                                         0905 illegal
0753
    fun
             0791
                  glare
                            0829 quide
                                           0867 hobby
                                                                       0943 into
                                                                                      0981 kind
0754 funny
                  glass
                            0830 guilt
                                           0868 hockey
                                                         0906 illness
                                                                        0944 invest
                                                                                      0982 kinadom
0755 furnáce 0793 glide
                                           0869 hold
                            0831 guitar
                                                         0907 image
                                                                        0945 invite
                                                                                      0983 kiss
             0794 glimpse
                            0832 gun
                                                         0908 imitate
                                                                                      0984 kit
0756 fury
                                           0870 hole
                                                                       0946 involve
                            0833 gym
0834 habit
                                                                                      0985 kitchen
0757 future
             0795 globe
                                           0871 holiday
                                                         0909 immense
                                                                        0947 iron
0758 gadget
             0796 gloom
                                           0872 hollow
                                                         0910 immune
                                                                        0948 island
                                                                                      0986 kite
0759 gain
```

0873 home

0911 impact

0797 glory

0835 hair

0949 isolate 0987 kitten

1016 leave 1054 loñely 1092 mask 1017 lecture 1055 long 1093 mass 1018 left 1056 loop 1094 master 1019 leg 1057 lottery 1095 match	1103 mean 1141 model 11 1104 measure 1142 modify 11 1105 meat 1142 modify 11 1106 mechanic 1144 moment 11 1108 media 1146 monkey 11 1109 melody 1147 monster 11 1110 melt 1148 month 11 1111 member 1149 moon 11 1112 memory 1150 moral 11 1113 mention 1151 more 11 1114 menu 1152 morning 11 115 mercy 1153 mosquito 11 1116 merge 1154 mother 11 117 merit 1155 motion 11 118 merry 1156 motor 11 118 merry 1156 motor 11 119 mesh 1157 mountain 11 110 message 1158 mouse 11 1110 message 1158 mouse 11 1120 message 1158 mouse 11 1121 metal 1159 move 11 1122 method 1160 movie 11 1123 middle 1161 much 11 1124 midnight 1162 muffin 11 1125 milk 1163 mule 12 1126 million 1164 multiply 12 1127 minic 1165 muscle 12 1128 mind 1166 muscum 12 1129 minimum 1167 mushroom 12 1131 minute 1169 must 12 1132 miracle 1170 mutual 12 1133 mirror 1171 myself 12 1134 misery 1172 mystery 12 1135 miss 1173 myth 12 1137 mix 1175 name 12	193 neutral 1230 often 193 never 1231 oil 194 news 1232 okay 195 next 1233 old 196 nice 1234 olive 197 night 1235 olympic 198 noble 1236 omit 199 noise 1237 once 200 nominee 1238 one 201 noodle 1239 onion 202 normal 1240 online 203 north 1241 only 204 nose 1222 open	1255 orphan 1293 pave 133 1256 ostrich 1294 payment 133 1257 other 1295 peace 133 1257 other 1295 peace 133 1260 output 1298 peasant 133 1261 outside 1299 pelican 1362 oven 1301 penalty 136 1263 oven 1302 pencil 134 1265 own 1303 people 134 1266 owner 1304 pepper 134 1266 owner 1305 perfect 134 1268 oyster 1306 permit 134 1269 ozone 1307 person 134 1271 paddle 1309 phone 134 1271 paddle 1309 phone 134 1271 paddle 1309 phone 134 1277 page 1310 photo 134 1277 page 1311 phrase 131 1277 panel 1312 physical 135 1277 panel 1314 picnic 135 1277 panel 1315 picture 1378 panic 1316 piece 135 1280 paper 1318 pigeon 135 1280 paper 1318 pigeon 135 1280 parent 1320 pilot 135 1283 park 1320 pilot 135 1285 party 1323 pipe 136 1287 patch 1325 pitch 136 1287 patch 1325 pitch 136 1288 patch 1326 pizza 136 1289 patent 1327 place 136 1289 patent 1327 place 136 1290 patrol 1328 planet 136 1290 patrol 1328 planet 136 1289 patrol 1328 place 136 1290 patrol 1328 place 136	30 plate	1445 region 1483 rich 1446 regret 1484 ride 1447 regular 1485 ridge t 1448 reject 1486 rifle on 1449 relax 1487 right 1450 release 1488 rigid 1451 relief 1489 ring 1452 rely 1490 riot 1453 remain 1491 ripple 1454 remember 1492 risk 1455 remid 1493 ritual 1456 remove 1494 rival 1457 render 1495 river 1458 renew 1496 road 1459 rent 1497 roast 1460 reopen 1498 robot 1461 repair 1499 robust 1462 repeat 1500 rocket 1463 replace 1501 romance 1464 report 1502 roof r 1465 require 1503 rookie 1466 rescue 1504 room 1467 resemble 1505 rose 1468 resist 1506 rotate 1469 resource 1507 rough 1470 response 1508 round n 1471 result 1509 route 1470 response 1508 round n 1471 result 1509 route 1472 retire 1510 royal 1473 retreat 1511 rubber 1474 return 1512 rude 1475 reunion 1513 rug 1476 reveal 1516 runway 1479 rhythm 1517 rural 1517 rural
1520 sadness 1558 section 1596 shuffle 1521 safe 1559 security 1597 shy 1522 sail 1560 seed 1598 siblin 1523 salad 1561 seek 1599 sick 1524 salmon 1562 segment 1600 side 1525 salon 1563 select 1601 siege 1526 salt 1564 sell 1602 sight 1527 salute 1565 seminar 1603 sign 1528 same 1566 senior 1604 silent 1529 sample 1567 sense 1605 silk 1530 sand 1568 sentence 1606 silly 1531 satisfy 1569 series 1607 silver 1532 satoshi 1570 service 1608 simila 1533 sauce 1571 session 1609 simple 1534 sausage 1572 settle 1610 since 1535 save 1573 settle 1610 since 1538 save 1573 settle 1610 since 1538 scan 1576 shadow 1613 sister 1538 scan 1576 shaft 1614 situat 1539 scare 1577 shallow 1615 six 1540 scatter 1578 share 1616 size 1541 scene 1579 shed 1617 skate 1542 scheme 1580 shell 1618 sketch 1543 school 1581 sheriff 1619 ski 1544 science 1582 shield 1620 skill 1545 scissors 1583 shift 1621 skin 1546 scorpion 1584 shine 1622 skirt 1547 scout 1585 ship 1623 skull 1548 scrap 1586 shiver 1624 slab 1549 screen 1579 shoot 1627 slende 1551 scrub 1589 shoot 1627 slende 1552 sea 1590 shop 1628 slice 1553 search 1591 short 1629 slide 1555 seat 1593 shove 1631 slim 1556 second 1594 shrimp 1632 slogan 1557 secret 1595 shrug 1633 slot	1635 slush 1673 speed 17 1636 small 1674 spell 17 1637 smart 1675 spend 17 1638 smile 1676 sphere 17 1640 smooth 1678 spider 17 1640 smooth 1678 spider 17 1641 snack 1679 spike 17 1642 snake 1680 spin 17 1644 sniff 1682 split 17 1645 snow 1683 spoil 17 1646 soap 1684 sponsor 17 1648 social 1686 sport 17 1649 sock 1687 spot 17 1650 soda 1688 spray 17 1651 soft 1689 spread 17 1653 soldier 1691 spy 17 1654 solid 1692 square 17 1655 solution 1693 squeeze 17 1656 solve 1694 squirrel 17 1657 someone 1695 stable 17 1658 song 1696 stadium 17 1661 sort 1699 stairs 17 1662 soul 1700 stamp 17 1663 sound 1701 stand 17 1664 soup 1702 start 17 1665 source 1703 start 17 1666 sourt 1699 stairs 17 1666 source 1703 start 17 1667 space 1705 steak 17 1668 spare 1706 steel 17 1669 spatial 1707 stem 17	710 stick 1748 surprise 711 still 1749 surround 712 sting 1750 survey 713 stock 1751 suspect 714 stomach 1752 sustain 715 stone 1753 swallow 716 stove 1755 swap 717 story 1755 swap 718 stove 1756 swarm 719 strategy 1757 swear 720 street 1758 sweet 1751 strike 1759 swift 1722 strong 1760 swim 723 struggle 1761 swing 724 student 1762 switch 1765 stuff 1763 sword 726 stumble 1764 symbol 1765 stuff 1763 sword 726 stumble 1764 symbol 1765 stuff 1763 sword 728 subject 1766 syrup 728 subject 1766 syrup 731 success 1769 tackle 731 success 1769 tackle 733 sudden 1771 tail 1734 suffer 1772 talent 1735 sugar 1773 talk 736 suggest 1774 tank 1737 suit 1775 tape 1738 summer 1776 target 1739 sun 1777 task 1741 sunset 1779 tattoo 742 super 1780 taxi 1781 suspel 1780 taxi 1781 sure 1783 tenant 1783 tell 1784 ten 1785 sure 1783 tenant 1785 tenant 1785 sure 1783 tenant 1785 tenant	1787 tent 1825 tomato 186 1788 term 1826 tomorrow 186 1789 test 1827 tone 186 1790 text 1828 tongue 186 1791 thank 1829 tonight 186 1792 that 1830 tool 186 1793 theme 1831 tooth 186 1794 then 1832 top 187 1795 theory 1833 topic 187 1796 there 1834 topple 187 1797 they 1835 torch 187 1799 this 1837 tortoise 187 1800 thought 1838 toss 187 1800 thought 1838 toss 187 1800 thrive 1840 tourist 187 1801 three 1839 total 187 1802 thrive 1840 tourist 187 1803 throw 1841 toward 187 1804 thumb 1842 tower 188 1805 thunder 1844 tow 188 1806 ticket 1844 toy 188 1807 tide 1845 track 188 1808 tiger 1846 trade 188 1809 tilt 1847 traffic 188 1810 timber 1848 tragic 188 1811 time 1849 train 188 1811 time 1849 train 188 1811 tip 1851 trap 188 1815 tissue 1853 travel 189 1816 title 1854 trash 189 1817 toast 1855 treat 189 1820 toddler 1858 triel 189	64 trophy 1902 unit 1940 venue 65 trouble 1903 universe 1941 verb 66 truck 1904 unknown 1942 verif 67 true 1905 unlock 1943 versi 68 truly 1906 until 1944 very 69 trumpet 1907 unusual 1945 vesse 70 trust 1908 unveil 1946 veter 71 truth 1909 update 1947 viabl 72 try 1910 upgrade 1948 vibra 73 tube 1911 uphold 1949 vicio 74 tuition 1912 upon 1950 victo	re 1977 warfare 2015 wink 1978 warm 2016 winner 1979 warrior 2017 winter y 1980 wash 2018 wire 2018 wise 1982 waste 2020 wise 1 1983 water 2021 wish 2022 witness e 1985 way 2023 wolf set 1986 wealth 2024 woman 2025 wonder ry 1988 wear 2026 wood 1989 weasel 2027 wool 1990 weather 2028 word 2029 wedding n 1992 wedding n 1993 weekend al 1994 weird 2032 world 1995 welcome 1995 welcome 1995 welcome 1996 west 2034 wreck 1997 wet 2035 write 2000 wheat 2037 write 2000 wheat 2037 write 2000 wheat 2038 wrong 2001 wheel 2039 yard 2002 when 2040 year 2004 whip 2042 you e 2005 wilsper 2043 young 2060 wife 2007 width 2045 zebra 2008 wife 2044 zero 2009 wild 2047 zone 2048