

SeedPicker Solitaire

v1.0.1

SeedPicker Solitaire is a simple game for generating Bitcoin seed phrases offline using an ordinary deck of playing cards and a printed lookup table.

For technical details, see: <https://github.com/jimbojw/seed-picker-solitaire#readme>

Objective & Setup

The object of the game is to produce a random ordering of cards which yields the first 23 words of a Bitcoin seed phrase. You'll need:

- An ordinary deck of playing cards.
- These instructions and the SeedPicker Solitaire lookup table, printed.

Lastly, find a quiet space without any cameras or listening devices.

Procedure Part I - Ordering the Cards

Follow this procedure to produce a random ordering of cards. This ordering will be mapped to seed words in Part II.

1. Shuffle the deck thoroughly.
2. Deal cards one at a time, face up, from the top of the deck in a line.
3. As soon as you have two cards in a row with DIFFERENT suits, this is called an *unsuited tuple*. Remove both cards and place them face up on the discard pile.
4. Continue dealing single cards and removing unsuited tuples until no cards remain in the deck.
5. When the deck is empty and all unsuited tuples have been discarded, take any remaining cards and place them face up on the discard pile.
6. Now all cards are in the discard pile. Turn the discard pile over, the game is done.

The deck now contains at least 23 consecutive unsuited tuples. Each tuple maps to one Bitcoin seed word.

Procedure Part II - Mapping Tuples to Words

Use the following procedure to convert each tuple into a seed word:

1. Deal one card from the deck face up.
2. Turn to the page in lookup table that has that card in the left-most (big) column.
3. Deal a second card from the deck face up.
4. Find the second card in the entries to the right.
5. Record the seed word.

For example, say the first card was the 4 of spades. You'll find this on the first page of the lookup table. Now say the second card is the 7 of diamonds. In the table, you'll find that this yields the word 'bacon'.

Repeat the above steps until you've recorded your 23 seed words. You're done!

NOTE: Producing the 24th word of a 24-word Bitcoin seed phrase is not doable offline because it contains a checksum. For that you'll need special software or a Bitcoin wallet.

A
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4
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5
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A♠ -----
2♠ -----
3♠ -----
4♠ -----
5♠ -----
6♠ -----
7♠ -----
8♠ -----
9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ abandon

A♠ -----
2♠ -----
3♠ -----
4♠ -----
5♠ -----
6♠ -----
7♠ -----
8♠ -----
9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ agree

A♠ -----
2♠ -----
3♠ -----
4♠ -----
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A♥ ability
2♥ able
3♥ about
4♥ above
5♥ absent
6♥ absorb
7♥ abstract
8♥ absurd
9♥ abuse
10♥ access
J♥ accident
Q♥ account
K♥ accuse

A♥ ahead
2♥ aim
3♥ air
4♥ airport
5♥ aisle
6♥ alarm
7♥ album
8♥ alcohol
9♥ alert
10♥ alien
J♥ all
Q♥ alley
K♥ allow

A♥ anxiety
2♥ any
3♥ apart
4♥ apology
5♥ appear
6♥ apple
7♥ approve
8♥ april
9♥ arch
10♥ arctic
J♥ area
Q♥ arena
K♥ argue

A♥ auction
2♥ audit
3♥ august
4♥ aunt
5♥ author
6♥ auto
7♥ autumn
8♥ average
9♥ avocado
10♥ avoid
J♥ awake
Q♥ aware
K♥ away

A♥ because
2♥ become
3♥ beef
4♥ before
5♥ begin
6♥ behave
7♥ behind
8♥ believe
9♥ below
10♥ belt
J♥ bench
Q♥ benefit
K♥ best

A♦ achieve
2♦ acid
3♦ acoustic
4♦ acquire
5♦ across
6♦ act
7♦ action
8♦ actor
9♦ actress
10♦ actual
J♦ adapt
Q♦ add
K♦ addict

A♦ almost
2♦ alone
3♦ alpha
4♦ already
5♦ also
6♦ alter
7♦ always
8♦ amateur
9♦ amazing
10♦ among
J♦ amount
Q♦ amused
K♦ analyst

A♦ arm
2♦ armed
3♦ armor
4♦ army
5♦ around
6♦ arrange
7♦ arrest
8♦ arrive
9♦ arrow
10♦ art
J♦ artefact
Q♦ artist
K♦ artwork

A♦ awesome
2♦ awful
3♦ awkward
4♦ axis
5♦ baby
6♦ bachelor
7♦ bacon
8♦ badge
9♦ bag
10♦ balance
J♦ balcony
Q♦ ball
K♦ bamboo

A♦ betray
2♦ better
3♦ between
4♦ beyond
5♦ bicycle
6♦ bid
7♦ bike
8♦ bind
9♦ biology
10♦ bird
J♦ birth
Q♦ bitter
K♦ black

A♣ address
2♣ adjust
3♣ admit
4♣ adult
5♣ advance
6♣ advice
7♣ aerobic
8♣ affair
9♣ afford
10♣ afraid
J♣ again
Q♣ age
K♣ agent

A♣ anchor
2♣ ancient
3♣ anger
4♣ angle
5♣ angry
6♣ animal
7♣ ankle
8♣ announce
9♣ annual
10♣ another
J♣ answer
Q♣ antenna
K♣ antique

A♣ ask
2♣ aspect
3♣ assault
4♣ asset
5♣ assist
6♣ assume
7♣ asthma
8♣ athlete
9♣ atom
10♣ attack
J♣ attend
Q♣ attitude
K♣ attract

A♣ banana
2♣ banner
3♣ bar
4♣ barely
5♣ bargain
6♣ barrel
7♣ base
8♣ basic
9♣ basket
10♣ battle
J♣ beach
Q♣ bean
K♣ beauty

A♣ blade
2♣ blame
3♣ blanket
4♣ blast
5♣ bleak
6♣ bless
7♣ blind
8♣ blood
9♣ blossom
10♣ blouse
J♣ blue
Q♣ blur
K♣ blush

6
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♠8
♠9
♠10
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A♠ -----
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Q♠ -----
K♠ -----

A♥ board
2♥ boat
3♥ body
4♥ boil
5♥ bomb
6♥ bone
7♥ bonus
8♥ book
9♥ boost
10♥ border
J♥ boring
Q♥ borrow
K♥ boss

A♥ budget
2♥ buffalo
3♥ build
4♥ bulb
5♥ bulk
6♥ bullet
7♥ bundle
8♥ bunker
9♥ burden
10♥ burger
J♥ burst
Q♥ bus
K♥ business

A♥ carbon
2♥ card
3♥ cargo
4♥ carpet
5♥ carry
6♥ cart
7♥ case
8♥ cash
9♥ casino
10♥ castle
J♥ casual
Q♥ cat
K♥ catalog

A♥ chef
2♥ cherry
3♥ chest
4♥ chicken
5♥ chief
6♥ child
7♥ chimney
8♥ choice
9♥ choose
10♥ chronic
J♥ chuckle
Q♥ chunk
K♥ churn

A♥ club
2♥ clump
3♥ cluster
4♥ clutch
5♥ coach
6♥ coast
7♥ coconut
8♥ code
9♥ coffee
10♥ coil
J♥ coin
Q♥ collect
K♥ color

A♦ bottom
2♦ bounce
3♦ box
4♦ boy
5♦ bracket
6♦ brain
7♦ brand
8♦ brass
9♦ brave
10♦ bread
J♦ breeze
Q♦ brick
K♦ bridge

A♦ busy
2♦ butter
3♦ buyer
4♦ buzz
5♦ cabbage
6♦ cabin
7♦ cable
8♦ cactus
9♦ cage
10♦ cake
J♦ call
Q♦ calm
K♦ camera

A♦ catch
2♦ category
3♦ cattle
4♦ caught
5♦ cause
6♦ caution
7♦ cave
8♦ ceiling
9♦ celery
10♦ cement
J♦ census
Q♦ century
K♦ cereal

A♦ cigar
2♦ cinnamon
3♦ circle
4♦ citizen
5♦ city
6♦ civil
7♦ claim
8♦ clap
9♦ clarify
10♦ claw
J♦ clay
Q♦ clean
K♦ clerk

A♦ column
2♦ combine
3♦ come
4♦ comfort
5♦ comic
6♦ common
7♦ company
8♦ concert
9♦ conduct
10♦ confirm
J♦ congress
Q♦ connect
K♦ consider

A♣ brief
2♣ bright
3♣ bring
4♣ brisk
5♣ broccoli
6♣ broken
7♣ bronze
8♣ broom
9♣ brother
10♣ brown
J♣ brush
Q♣ bubble
K♣ buddy

A♣ camp
2♣ can
3♣ canal
4♣ cancel
5♣ candy
6♣ cannon
7♣ canoe
8♣ canvas
9♣ canyon
10♣ capable
J♣ capital
Q♣ captain
K♣ car

A♣ certain
2♣ chair
3♣ chalk
4♣ champion
5♣ change
6♣ chaos
7♣ chapter
8♣ charge
9♣ chase
10♣ chat
J♣ cheap
Q♣ check
K♣ cheese

A♣ clever
2♣ click
3♣ client
4♣ cliff
5♣ climb
6♣ clinic
7♣ clip
8♣ clock
9♣ clog
10♣ close
J♣ cloth
Q♣ cloud
K♣ clown

A♣ control
2♣ convince
3♣ cook
4♣ cool
5♣ copper
6♣ copy
7♣ coral
8♣ core
9♣ corn
10♣ correct
J♣ cost
Q♣ cotton
K♣ couch

J
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Q
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K
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A♠ -----
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K♠ -----

A♠ depart
2♠ depend
3♠ -----
4♠ -----
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9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ -----

A♥ country
2♥ couple
3♥ course
4♥ cousin
5♥ cover
6♥ coyote
7♥ crack
8♥ cradle
9♥ craft
10♥ cram
J♥ crane
Q♥ crash
K♥ crater

A♥ curious
2♥ current
3♥ curtain
4♥ curve
5♥ cushion
6♥ custom
7♥ cute
8♥ cycle
9♥ dad
10♥ damage
J♥ damp
Q♥ dance
K♥ danger

A♥ deposit
2♥ depth
3♥ deputy
4♥ derive
5♥ describe
6♥ desert
7♥ design
8♥ desk
9♥ despair
10♥ destroy
J♥ detail
Q♥ detect
K♥ develop

A♦ crawl
2♦ crazy
3♦ cream
4♦ credit
5♦ creek
6♦ crew
7♦ cricket
8♦ crime
9♦ crisp
10♦ critic
J♦ crop
Q♦ cross
K♦ crouch

A♦ daring
2♦ dash
3♦ daughter
4♦ dawn
5♦ day
6♦ deal
7♦ debate
8♦ debris
9♦ decade
10♦ december
J♦ decide
Q♦ decline
K♦ decorate

A♦ device
2♦ devote
3♦ diagram
4♦ dial
5♦ diamond
6♦ diary
7♦ dice
8♦ diesel
9♦ diet
10♦ differ
J♦ digital
Q♦ dignity
K♦ dilemma

A♣ crowd
2♣ crucial
3♣ cruel
4♣ cruise
5♣ crumble
6♣ crunch
7♣ crush
8♣ cry
9♣ crystal
10♣ cube
J♣ culture
Q♣ cup
K♣ cupboard

A♣ decrease
2♣ deer
3♣ defense
4♣ define
5♣ defy
6♣ degree
7♣ delay
8♣ deliver
9♣ demand
10♣ demise
J♣ denial
Q♣ dentist
K♣ deny

A♣ dinner
2♣ dinosaur
3♣ direct
4♣ dirt
5♣ disagree
6♣ discover
7♣ disease
8♣ dish
9♣ dismiss
10♣ disorder
J♣ display
Q♣ distance
K♣ divert

A
2
3
4
5


A♠ divide
2♠ divorce
3♠ dizzy
4♠ doctor
5♠ document
6♠ dog
7♠ doll
8♠ dolphin
9♠ domain
10♠ donate
J♠ donkey
Q♠ donor
K♠ door

A♠ eager
2♠ eagle
3♠ early
4♠ earn
5♠ earth
6♠ easily
7♠ east
8♠ easy
9♠ echo
10♠ ecology
J♠ economy
Q♠ edge
K♠ edit

A♠ enemy
2♠ energy
3♠ enforce
4♠ engage
5♠ engine
6♠ enhance
7♠ enjoy
8♠ enlist
9♠ enough
10♠ enrich
J♠ enroll
Q♠ ensure
K♠ enter

A♠ excite
2♠ exclude
3♠ excuse
4♠ execute
5♠ exercise
6♠ exhaust
7♠ exhibit
8♠ exile
9♠ exist
10♠ exit
J♠ exotic
Q♠ expand
K♠ expect

A♠ father
2♠ fatigue
3♠ fault
4♠ favorite
5♠ feature
6♠ february
7♠ federal
8♠ fee
9♠ feed
10♠ feel
J♠ female
Q♠ fence
K♠ festival

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K♥ dose

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K♥ educate

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A♦ double
2♦ dove
3♦ draft
4♦ dragon
5♦ drama
6♦ drastic
7♦ draw
8♦ dream
9♦ dress
10♦ drift
J♦ drill
Q♦ drink
K♦ drip

A♦ effort
2♦ egg
3♦ eight
4♦ either
5♦ elbow
6♦ elder
7♦ electric
8♦ elegant
9♦ element
10♦ elephant
J♦ elevator
Q♦ elite
K♦ else

A♦ entire
2♦ entry
3♦ envelope
4♦ episode
5♦ equal
6♦ equip
7♦ era
8♦ erase
9♦ erode
10♦ erosion
J♦ error
Q♦ erupt
K♦ escape

A♦ expire
2♦ explain
3♦ expose
4♦ express
5♦ extend
6♦ extra
7♦ eye
8♦ eyebrow
9♦ fabric
10♦ face
J♦ faculty
Q♦ fade
K♦ faint

A♦ fetch
2♦ fever
3♦ few
4♦ fiber
5♦ fiction
6♦ field
7♦ figure
8♦ file
9♦ film
10♦ filter
J♦ final
Q♦ find
K♦ fine

A♣ drive
2♣ drop
3♣ drum
4♣ dry
5♣ duck
6♣ dumb
7♣ dune
8♣ during
9♣ dust
10♣ dutch
J♣ duty
Q♣ dwarf
K♣ dynamic

A♣ embark
2♣ embody
3♣ embrace
4♣ emerge
5♣ emotion
6♣ employ
7♣ empower
8♣ empty
9♣ enable
10♣ enact
J♣ end
Q♣ endless
K♣ endorse

A♣ essay
2♣ essence
3♣ estate
4♣ eternal
5♣ ethics
6♣ evidence
7♣ evil
8♣ evoke
9♣ evolve
10♣ exact
J♣ example
Q♣ excess
K♣ exchange

A♣ faith
2♣ fall
3♣ false
4♣ fame
5♣ family
6♣ famous
7♣ fan
8♣ fancy
9♣ fantasy
10♣ farm
J♣ fashion
Q♣ fat
K♣ fatal

A♣ finger
2♣ finish
3♣ fire
4♣ firm
5♣ first
6♣ fiscal
7♣ fish
8♣ fit
9♣ fitness
10♣ fix
J♣ flag
Q♣ flame
K♣ flash

6



7



8



9



10



A♠ flat
2♣ flavor
3♠ flee
4♠ flight
5♠ flip
6♠ float
7♠ flock
8♠ floor
9♠ flower
10♠ fluid
J♠ flush
Q♠ fly
K♠ foam

A♠ frost
2♠ frown
3♠ frozen
4♠ fruit
5♠ fuel
6♠ fun
7♠ funny
8♠ furnace
9♠ fury
10♠ future
J♠ gadget
Q♠ gain
K♠ galaxy

A♠ girl
2♠ give
3♠ glad
4♠ glance
5♠ glare
6♠ glass
7♠ glide
8♠ glimpse
9♠ globe
10♠ gloom
J♠ glory
Q♠ glove
K♠ glow

A♠ grunt
2♠ guard
3♠ guess
4♠ guide
5♠ guilt
6♠ guitar
7♠ gun
8♠ gym
9♠ habit
10♠ hair
J♠ half
Q♠ hammer
K♠ hamster

A♠ hire
2♠ history
3♠ hobby
4♠ hockey
5♠ hold
6♠ hole
7♠ holiday
8♠ hollow
9♠ home
10♠ honey
J♠ hood
Q♠ hope
K♠ horn

A♥ -----
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10♥ -----
J♥ -----
Q♥ -----
K♥ -----

A♦ focus
2♦ fog
3♦ foil
4♦ fold
5♦ follow
6♦ food
7♦ foot
8♦ force
9♦ forest
10♦ forget
J♦ fork
Q♦ fortune
K♦ forum

A♦ gallery
2♦ game
3♦ gap
4♦ garage
5♦ garbage
6♦ garden
7♦ garlic
8♦ garment
9♦ gas
10♦ gasp
J♦ gate
Q♦ gather
K♦ gauge

A♦ glue
2♦ goat
3♦ goddess
4♦ gold
5♦ good
6♦ goose
7♦ gorilla
8♦ gospel
9♦ gossip
10♦ govern
J♦ gown
Q♦ grab
K♦ grace

A♦ hand
2♦ happy
3♦ harbor
4♦ hard
5♦ harsh
6♦ harvest
7♦ hat
8♦ have
9♦ hawk
10♦ hazard
J♦ head
Q♦ health
K♦ heart

A♦ horror
2♦ horse
3♦ hospital
4♦ host
5♦ hotel
6♦ hour
7♦ hover
8♦ hub
9♦ huge
10♦ human
J♦ humble
Q♦ humor
K♦ hundred

A♣ forward
2♣ fossil
3♣ foster
4♣ found
5♣ fox
6♣ fragile
7♣ frame
8♣ frequent
9♣ fresh
10♣ friend
J♣ fringe
Q♣ frog
K♣ front

A♣ gaze
2♣ general
3♣ genius
4♣ genre
5♣ gentle
6♣ genuine
7♣ gesture
8♣ ghost
9♣ giant
10♣ gift
J♣ giggle
Q♣ ginger
K♣ giraffe

A♣ grain
2♣ grant
3♣ grape
4♣ grass
5♣ gravity
6♣ great
7♣ green
8♣ grid
9♣ grief
10♣ grit
J♣ grocery
Q♣ group
K♣ grow

A♣ heavy
2♣ hedgehog
3♣ height
4♣ hello
5♣ helmet
6♣ help
7♣ hen
8♣ hero
9♣ hidden
10♣ high
J♣ hill
Q♣ hint
K♣ hip

A♣ hungry
2♣ hunt
3♣ hurdle
4♣ hurry
5♣ hurt
6♣ husband
7♣ hybrid
8♣ ice
9♣ icon
10♣ idea
J♣ identify
Q♣ idle
K♣ ignore



A♠ ill
2♣ illegal
3♣ illness
4♠ image
5♠ imitate
6♠ immense
7♠ immune
8♠ impact
9♠ impose
10♠ improve
J♠ impulse
Q♠ inch
K♠ include

A♥ -----
2♥ -----
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4♥ -----
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8♥ -----
9♥ -----
10♥ -----
J♥ -----
Q♥ -----
K♥ -----

A♦ income
2♦ increase
3♦ index
4♦ indicate
5♦ indoor
6♦ industry
7♦ infant
8♦ inflict
9♦ inform
10♦ inhale
J♦ inherit
Q♦ initial
K♦ inject

A♣ injury
2♣ inmate
3♣ inner
4♣ innocent
5♣ input
6♣ inquiry
7♣ insane
8♣ insect
9♣ inside
10♣ inspire
J♣ install
Q♣ intact
K♣ interest



A♠ into
2♠ invest
3♠ invite
4♠ involve
5♠ iron
6♠ island
7♠ isolate
8♠ issue
9♠ item
10♠ ivory
J♠ jacket
Q♠ jaguar
K♠ jar

A♥ -----
2♥ -----
3♥ -----
4♥ -----
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8♥ -----
9♥ -----
10♥ -----
J♥ -----
Q♥ -----
K♥ -----

A♦ jazz
2♦ jealous
3♦ jeans
4♦ jelly
5♦ jewel
6♦ job
7♦ join
8♦ joke
9♦ journey
10♦ joy
J♦ judge
Q♦ juice
K♦ jump

A♣ jungle
2♣ junior
3♣ junk
4♣ just
5♣ kangaroo
6♣ keen
7♣ keep
8♣ ketchup
9♣ key
10♣ kick
J♣ kid
Q♣ kidney
K♣ kind



A♠ kingdom
2♠ kiss
3♠ kit
4♠ kitchen
5♠ kite
6♠ kitten
7♠ kiwi
8♠ knee
9♠ knife
10♠ knock
J♠ know
Q♠ lab
K♠ label

A♥ labor
2♥ ladder
3♥ -----
4♥ -----
5♥ -----
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7♥ -----
8♥ -----
9♥ -----
10♥ -----
J♥ -----
Q♥ -----
K♥ -----

A♦ lady
2♦ lake
3♦ lamp
4♦ language
5♦ laptop
6♦ large
7♦ later
8♦ latin
9♦ laugh
10♦ laundry
J♦ lava
Q♦ law
K♦ lawn

A♣ lawsuit
2♣ layer
3♣ lazy
4♣ leader
5♣ leaf
6♣ learn
7♣ leave
8♣ lecture
9♣ left
10♣ leg
J♣ legal
Q♣ legend
K♣ leisure

A
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♦5
♦

A♠ lemon
2♠ lend
3♠ length
4♠ lens
5♠ leopard
6♠ lesson
7♠ letter
8♠ level
9♠ liar
10♠ liberty
J♠ library
Q♠ license
K♠ life

A♠ lumber
2♠ lunar
3♠ lunch
4♠ luxury
5♠ lyrics
6♠ machine
7♠ mad
8♠ magic
9♠ magnet
10♠ maid
J♠ mail
Q♠ main
K♠ major

A♠ measure
2♠ meat
3♠ mechanic
4♠ medal
5♠ media
6♠ melody
7♠ melt
8♠ member
9♠ memory
10♠ mention
J♠ menu
Q♠ mercy
K♠ merge

A♠ mom
2♠ moment
3♠ monitor
4♠ monkey
5♠ monster
6♠ month
7♠ moon
8♠ moral
9♠ more
10♠ morning
J♠ mosquito
Q♠ mother
K♠ motion

A♠ neck
2♠ need
3♠ negative
4♠ neglect
5♠ neither
6♠ nephew
7♠ nerve
8♠ nest
9♠ net
10♠ network
J♠ neutral
Q♠ never
K♠ news

A♥ lift
2♥ light
3♥ like
4♥ limb
5♥ limit
6♥ link
7♥ lion
8♥ liquid
9♥ list
10♥ little
J♥ live
Q♥ lizard
K♥ load

A♥ make
2♥ mammal
3♥ man
4♥ manage
5♥ mandate
6♥ mango
7♥ mansion
8♥ manual
9♥ maple
10♥ marble
J♥ march
Q♥ margin
K♥ marine

A♥ merit
2♥ merry
3♥ mesh
4♥ message
5♥ metal
6♥ method
7♥ middle
8♥ midnight
9♥ milk
10♥ million
J♥ mimic
Q♥ mind
K♥ minimum

A♥ motor
2♥ mountain
3♥ mouse
4♥ move
5♥ movie
6♥ much
7♥ muffin
8♥ mule
9♥ multiply
10♥ muscle
J♥ museum
Q♥ mushroom
K♥ music

A♥ next
2♥ nice
3♥ night
4♥ noble
5♥ noise
6♥ nominee
7♥ noodle
8♥ normal
9♥ north
10♥ nose
J♥ notable
Q♥ note
K♥ nothing

A♦ -----
2♦ -----
3♦ -----
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8♦ -----
9♦ -----
10♦ -----
J♦ -----
Q♦ loan
K♦ lobster

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J♦ -----
Q♦ -----
K♦ market

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A♠ local
2♠ lock
3♠ logic
4♠ lonely
5♠ long
6♠ loop
7♠ lottery
8♠ loud
9♠ lounge
10♠ love
J♠ loyal
Q♠ lucky
K♠ luggage

A♠ marriage
2♠ mask
3♠ mass
4♠ master
5♠ match
6♠ material
7♠ math
8♠ matrix
9♠ matter
10♠ maximum
J♠ maze
Q♠ meadow
K♠ mean

A♠ minor
2♠ minute
3♠ miracle
4♠ mirror
5♠ misery
6♠ miss
7♠ mistake
8♠ mix
9♠ mixed
10♠ mixture
J♠ mobile
Q♠ model
K♠ modify

A♠ must
2♠ mutual
3♠ myself
4♠ mystery
5♠ myth
6♠ naive
7♠ name
8♠ napkin
9♠ narrow
10♠ nasty
J♠ nation
Q♠ nature
K♠ near

A♠ notice
2♠ novel
3♠ now
4♠ nuclear
5♠ number
6♠ nurse
7♠ nut
8♠ oak
9♠ obey
10♠ object
J♠ oblige
Q♠ obscure
K♠ observe

6



7



8



9



10



A♠ obtain
2♠ obvious
3♠ occur
4♠ ocean
5♠ october
6♠ odor
7♠ off
8♠ offer
9♠ office
10♠ often
J♠ oil
Q♠ okay
K♠ old

A♠ output
2♠ outside
3♠ oval
4♠ oven
5♠ over
6♠ own
7♠ owner
8♠ oxygen
9♠ oyster
10♠ ozone
J♠ pact
Q♠ paddle
K♠ page

A♠ pelican
2♠ pen
3♠ penalty
4♠ pencil
5♠ people
6♠ pepper
7♠ perfect
8♠ permit
9♠ person
10♠ pet
J♠ phone
Q♠ photo
K♠ phrase

A♠ poet
2♠ point
3♠ polar
4♠ pole
5♠ police
6♠ pond
7♠ pony
8♠ pool
9♠ popular
10♠ portion
J♠ position
Q♠ possible
K♠ post

A♠ project
2♠ promote
3♠ proof
4♠ property
5♠ prosper
6♠ protect
7♠ proud
8♠ provide
9♠ public
10♠ pudding
J♠ pull
Q♠ pulp
K♠ pulse

A♥ olive
2♥ olympic
3♥ omit
4♥ once
5♥ one
6♥ onion
7♥ online
8♥ only
9♥ open
10♥ opera
J♥ opinion
Q♥ oppose
K♥ option

A♥ pair
2♥ palace
3♥ palm
4♥ panda
5♥ panel
6♥ panic
7♥ panther
8♥ paper
9♥ parade
10♥ parent
J♥ park
Q♥ parrot
K♥ party

A♥ physical
2♥ piano
3♥ picnic
4♥ picture
5♥ piece
6♥ pig
7♥ pigeon
8♥ pill
9♥ pilot
10♥ pink
J♥ pioneer
Q♥ pipe
K♥ pistol

A♥ potato
2♥ pottery
3♥ poverty
4♥ powder
5♥ power
6♥ practice
7♥ praise
8♥ predict
9♥ prefer
10♥ prepare
J♥ present
Q♥ pretty
K♥ prevent

A♥ pumpkin
2♥ punch
3♥ pupil
4♥ puppy
5♥ purchase
6♥ purity
7♥ purpose
8♥ purse
9♥ push
10♥ put
J♥ puzzle
Q♥ pyramid
K♥ quality

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K♦ -----

A♠ orange
2♠ orbit
3♠ orchard
4♠ order
5♠ ordinary
6♠ organ
7♠ orient
8♠ original
9♠ orphan
10♠ ostrich
J♠ other
Q♠ outdoor
K♠ outer

A♠ pass
2♠ patch
3♠ path
4♠ patient
5♠ patrol
6♠ pattern
7♠ pause
8♠ pave
9♠ payment
10♠ peace
J♠ peanut
Q♠ pear
K♠ peasant

A♠ pitch
2♠ pizza
3♠ place
4♠ planet
5♠ plastic
6♠ plate
7♠ play
8♠ please
9♠ pledge
10♠ pluck
J♠ plug
Q♠ plunge
K♠ poem

A♠ price
2♠ pride
3♠ primary
4♠ print
5♠ priority
6♠ prison
7♠ private
8♠ prize
9♠ problem
10♠ process
J♠ produce
Q♠ profit
K♠ program

A♠ quantum
2♠ quarter
3♠ question
4♠ quick
5♠ quit
6♠ quiz
7♠ quote
8♠ rabbit
9♠ raccoon
10♠ race
J♠ rack
Q♠ radar
K♠ radio



A♠ rail
2♠ rain
3♠ raise
4♠ rally
5♠ ramp
6♠ ranch
7♠ random
8♠ range
9♠ rapid
10♠ rare
J♠ rate
Q♠ rather
K♠ raven

A♠ remind
2♠ remove
3♠ render
4♠ renew
5♠ rent
6♠ reopen
7♠ repair
8♠ repeat
9♠ replace
10♠ report
J♠ require
Q♠ rescue
K♠ resemble

A♠ river
2♠ road
3♠ roast
4♠ robot
5♠ robust
6♠ rocket
7♠ romance
8♠ roof
9♠ rookie
10♠ room
J♠ rose
Q♠ rotate
K♠ rough

A♥ raw
2♥ razor
3♥ ready
4♥ real
5♥ reason
6♥ rebel
7♥ rebuild
8♥ recall
9♥ receive
10♥ recipe
J♥ record
Q♥ recycle
K♥ reduce

A♥ resist
2♥ resource
3♥ response
4♥ result
5♥ retire
6♥ retreat
7♥ return
8♥ reunion
9♥ reveal
10♥ review
J♥ reward
Q♥ rhythm
K♥ rib

A♥ round
2♥ route
3♥ royal
4♥ rubber
5♥ rude
6♥ rug
7♥ rule
8♥ run
9♥ runway
10♥ rural
J♥ sad
Q♥ saddle
K♥ sadness

A♦ -----
2♦ -----
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J♦ -----
Q♦ -----
K♦ -----

A♦ ribbon
2♦ -----
3♦ -----
4♦ -----
5♦ -----
6♦ -----
7♦ -----
8♦ -----
9♦ -----
10♦ -----
J♦ -----
Q♦ -----
K♦ -----

A♦ safe
2♦ sail
3♦ -----
4♦ -----
5♦ -----
6♦ -----
7♦ -----
8♦ -----
9♦ -----
10♦ -----
J♦ -----
Q♦ -----
K♦ -----

A♠ reflect
2♠ reform
3♠ refuse
4♠ region
5♠ regret
6♠ regular
7♠ reject
8♠ relax
9♠ release
10♠ relief
J♠ rely
Q♠ remain
K♠ remember

A♠ rice
2♠ rich
3♠ ride
4♠ ridge
5♠ rifle
6♠ right
7♠ rigid
8♠ ring
9♠ riot
10♠ ripple
J♠ risk
Q♠ ritual
K♠ rival

A♠ salad
2♠ salmon
3♠ salon
4♠ salt
5♠ salute
6♠ same
7♠ sample
8♠ sand
9♠ satisfy
10♠ satoshi
J♠ sauce
Q♠ sausage
K♠ save

A
♣

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A♠ say
2♠ scale
3♠ scan
4♠ scare
5♠ scatter
6♠ scene
7♠ scheme
8♠ school
9♠ science
10♠ scissors
J♠ scorpion
Q♠ scout
K♠ scrap

A♠ shallow
2♠ share
3♠ shed
4♠ shell
5♠ sheriff
6♠ shield
7♠ shift
8♠ shine
9♠ ship
10♠ shiver
J♠ shock
Q♠ shoe
K♠ shoot

A♠ skate
2♠ sketch
3♠ ski
4♠ skill
5♠ skin
6♠ skirt
7♠ skull
8♠ slab
9♠ slam
10♠ sleep
J♠ slender
Q♠ slice
K♠ slide

A♠ solve
2♠ someone
3♠ song
4♠ soon
5♠ sorry
6♠ sort
7♠ soul
8♠ sound
9♠ soup
10♠ source
J♠ south
Q♠ space
K♠ spare

A♠ stable
2♠ stadium
3♠ staff
4♠ stage
5♠ stairs
6♠ stamp
7♠ stand
8♠ start
9♠ state
10♠ stay
J♠ steak
Q♠ steel
K♠ stem

A♥ screen
2♥ script
3♥ scrub
4♥ sea
5♥ search
6♥ season
7♥ seat
8♥ second
9♥ secret
10♥ section
J♥ security
Q♥ seed
K♥ seek

A♥ shop
2♥ short
3♥ shoulder
4♥ shove
5♥ shrimp
6♥ shrug
7♥ shuffle
8♥ shy
9♥ sibling
10♥ sick
J♥ side
Q♥ siege
K♥ sight

A♥ slight
2♥ slim
3♥ slogan
4♥ slot
5♥ slow
6♥ slush
7♥ small
8♥ smart
9♥ smile
10♥ smoke
J♥ smooth
Q♥ snack
K♥ snake

A♥ spatial
2♥ spawn
3♥ speak
4♥ special
5♥ speed
6♥ spell
7♥ spend
8♥ sphere
9♥ spice
10♥ spider
J♥ spike
Q♥ spin
K♥ spirit

A♥ step
2♥ stereo
3♥ stick
4♥ still
5♥ sting
6♥ stock
7♥ stomach
8♥ stone
9♥ stool
10♥ story
J♥ stove
Q♥ strategy
K♥ street

A♦ segment
2♦ select
3♦ sell
4♦ seminar
5♦ senior
6♦ sense
7♦ sentence
8♦ series
9♦ service
10♦ session
J♦ settle
Q♦ setup
K♦ seven

A♦ sign
2♦ silent
3♦ silk
4♦ silly
5♦ silver
6♦ similar
7♦ simple
8♦ since
9♦ sing
10♦ siren
J♦ sister
Q♦ situate
K♦ six

A♦ snap
2♦ sniff
3♦ snow
4♦ soap
5♦ soccer
6♦ social
7♦ sock
8♦ soda
9♦ soft
10♦ solar
J♦ soldier
Q♦ solid
K♦ solution

A♦ split
2♦ spoil
3♦ sponsor
4♦ spoon
5♦ sport
6♦ spot
7♦ spray
8♦ spread
9♦ spring
10♦ spy
J♦ square
Q♦ squeeze
K♦ squirrel

A♦ strike
2♦ strong
3♦ struggle
4♦ student
5♦ stuff
6♦ stumble
7♦ style
8♦ subject
9♦ submit
10♦ subway
J♦ success
Q♦ such
K♦ sudden

A♣ -----
2♣ -----
3♣ -----
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9♣ -----
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J♣ -----
Q♣ shadow
K♣ shaft

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Q♣ -----
K♣ size

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A♠ suffer
2♠ sugar
3♠ suggest
4♠ suit
5♠ summer
6♠ sun
7♠ sunny
8♠ sunset
9♠ super
10♠ supply
J♠ supreme
Q♠ sure
K♠ surface

A♠ talk
2♠ tank
3♠ tape
4♠ target
5♠ task
6♠ taste
7♠ tattoo
8♠ taxi
9♠ teach
10♠ team
J♠ tell
Q♠ ten
K♠ tenant

A♠ tiny
2♠ tip
3♠ tired
4♠ tissue
5♠ title
6♠ toast
7♠ tobacco
8♠ today
9♠ toddler
10♠ toe
J♠ together
Q♠ toilet
K♠ token

A♠ trap
2♠ trash
3♠ travel
4♠ tray
5♠ treat
6♠ tree
7♠ trend
8♠ trial
9♠ tribe
10♠ trick
J♠ trigger
Q♠ trim
K♠ trip

A♠ umbrella
2♠ unable
3♠ unaware
4♠ uncle
5♠ uncover
6♠ under
7♠ undo
8♠ unfair
9♠ unfold
10♠ unhappy
J♠ uniform
Q♠ unique
K♠ unit

A♥ surge
2♥ surprise
3♥ surround
4♥ survey
5♥ suspect
6♥ sustain
7♥ swallow
8♥ swamp
9♥ swap
10♥ swarm
J♥ swear
Q♥ sweet
K♥ swift

A♥ tennis
2♥ tent
3♥ term
4♥ test
5♥ text
6♥ thank
7♥ that
8♥ theme
9♥ then
10♥ theory
J♥ there
Q♥ they
K♥ thing

A♥ tomato
2♥ tomorrow
3♥ tone
4♥ tongue
5♥ tonight
6♥ tool
7♥ tooth
8♥ top
9♥ topic
10♥ topple
J♥ torch
Q♥ tornado
K♥ tortoise

A♥ trophy
2♥ trouble
3♥ truck
4♥ true
5♥ truly
6♥ trumpet
7♥ trust
8♥ truth
9♥ try
10♥ tube
J♥ tuition
Q♥ tumble
K♥ tuna

A♥ universe
2♥ unknown
3♥ unlock
4♥ until
5♥ unusual
6♥ unveil
7♥ update
8♥ upgrade
9♥ uphold
10♥ upon
J♥ upper
Q♥ upset
K♥ urban

A♦ swim
2♦ swing
3♦ switch
4♦ sword
5♦ symbol
6♦ symptom
7♦ syrup
8♦ system
9♦ table
10♦ tackle
J♦ tag
Q♦ tail
K♦ talent

A♦ this
2♦ thought
3♦ three
4♦ thrive
5♦ throw
6♦ thumb
7♦ thunder
8♦ ticket
9♦ tide
10♦ tiger
J♦ tilt
Q♦ timber
K♦ time

A♦ toss
2♦ total
3♦ tourist
4♦ toward
5♦ tower
6♦ town
7♦ toy
8♦ track
9♦ trade
10♦ traffic
J♦ tragic
Q♦ train
K♦ transfer

A♦ tunnel
2♦ turkey
3♦ turn
4♦ turtle
5♦ twelve
6♦ twenty
7♦ twice
8♦ twin
9♦ twist
10♦ two
J♦ type
Q♦ typical
K♦ ugly

A♦ urge
2♦ usage
3♦ use
4♦ used
5♦ useful
6♦ useless
7♦ usual
8♦ utility
9♦ vacant
10♦ vacuum
J♦ vague
Q♦ valid
K♦ valley

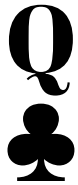
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Q♣ -----
K♣ -----



A♣ valve
2♣ van
3♣ vanish
4♣ vapor
5♣ various
6♣ vast
7♣ vault
8♣ vehicle
9♣ velvet
10♣ vendor
J♣ venture
Q♣ venue
K♣ verb

A♣ vote
2♣ voyage
3♣ wage
4♣ wagon
5♣ wait
6♣ walk
7♣ wall
8♣ walnut
9♣ want
10♣ warfare
J♣ warm
Q♣ warrior
K♣ wash

A♣ wife
2♣ wild
3♣ will
4♣ win
5♣ window
6♣ wine
7♣ wing
8♣ wink
9♣ winner
10♣ winter
J♣ wire
Q♣ wisdom
K♣ wise

A♥ verify
2♥ version
3♥ very
4♥ vessel
5♥ veteran
6♥ viable
7♥ vibrant
8♥ vicious
9♥ victory
10♥ video
J♥ view
Q♥ village
K♥ vintage

A♥ wasp
2♥ waste
3♥ water
4♥ wave
5♥ way
6♥ wealth
7♥ weapon
8♥ wear
9♥ weasel
10♥ weather
J♥ web
Q♥ wedding
K♥ weekend

A♥ wish
2♥ witness
3♥ wolf
4♥ woman
5♥ wonder
6♥ wood
7♥ wool
8♥ word
9♥ work
10♥ world
J♥ worry
Q♥ worth
K♥ wrap

A♦ violin
2♦ virtual
3♦ virus
4♦ visa
5♦ visit
6♦ visual
7♦ vital
8♦ vivid
9♦ vocal
10♦ voice
J♦ void
Q♦ volcano
K♦ volume

A♦ weird
2♦ welcome
3♦ west
4♦ wet
5♦ whale
6♦ what
7♦ wheat
8♦ wheel
9♦ when
10♦ where
J♦ whip
Q♦ whisper
K♦ wide

A♦ wreck
2♦ wrestle
3♦ wrist
4♦ write
5♦ wrong
6♦ yard
7♦ year
8♦ yellow
9♦ you
10♦ young
J♦ youth
Q♦ zebra
K♦ zero

A♠ -----
2♠ -----
3♠ -----
4♠ -----
5♠ -----
6♠ -----
7♠ -----
8♠ -----
9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ -----

A♠ width
2♠ -----
3♠ -----
4♠ -----
5♠ -----
6♠ -----
7♠ -----
8♠ -----
9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ -----

A♠ zone
2♠ zoo
3♠ -----
4♠ -----
5♠ -----
6♠ -----
7♠ -----
8♠ -----
9♠ -----
10♠ -----
J♠ -----
Q♠ -----
K♠ -----