



- This is a modified version of [Rotor-Cuda](#)
- Huge thanks to [kanhavishva](#) and to all developers whose codes were used in Fialka M-125.

## Quick start

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- [How to create base addresses hex160Sort.bin](#)

## Parameters:

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- -t ? amount of CPU cores (threads) to use?
- -r ? search mode number
- In any mode, you can use one of the options below:
- Bitcoin Single Address use: -m address --coin BTC 1PWCx5fovoEaoBowAvF5k91m2Xat9bMgwb
- Bitcoin Multi Address use: -m addresses --coin BTC -i test.bin
- ETHEREUM Single Address use: -m address --coin eth  
0xfda5c442e76a95f96c09782f1a15d3b58e32404f
- ETHEREUM Multi Address use: -m addresses --coin eth -i base160\_eth\_sorted.bin
- Public key Single X Point use: -m xpoint --coin BTC  
a2efa402fd5268400c77c20e574ba86409ededee7c4020e4b9f0edbee53de0d4

- Public keys Multi X Points use: `-m xpoints --coin BTC -i Pubkeys0.1up.bin`
- Example Single Address use: `Fialka.exe -t 6 -r 2 -s KWDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m address --coin BTC 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6`
- Example Single X Point use: `Fialka.exe -t 6 -r 2 -s KWDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m xpoint --coin BTC cd6d186d8946f6baa4eca4bcd63deda1b0afe62939811f7ec202dc0007df16e0`
- Example Multi Address use: `Fialka.exe -t 6 -r 2 -s KWDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m addresses --coin BTC -i hex160Sort.bin`
- [Use old databases or a generator to create list of passphrases, minikeys, WIF, HEX](#)
- The list of found passphrases is [here](#) and [here](#)
- There is a premade file [test.bin](#) 8 words of 3 letters can be found inside
- Uncompressed: cat, gaz, for, car
- Compressed: abc, cop, run, zip
- [Make your own](#) passphrase or minikeys for test
- There is a premade file [test.bin](#) 8 WIF can be found inside:
- 4 WIF uncompressed:  
5JiznUZskJpwodP3SR85vx5JKeopA3QpTK63BuziW8RmGGyJg81  
5KMdQbcUFS3PBbC6VgitFrFuaca3gBY4BJt4jpQ2YTNDPZ1CbuE  
5HwfeuhdFscL9YTQCLT2952dieZEtKbzJ328b4CR1v6YUVLu2D7  
5J9J63iW7s5p54T569qstediNgBTLXpUmxUtQwsXTaHz3JCskt
- 4 WIF compressed:  
L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJWXVfDdi4NsLcm  
L3BEabkqcspnTdzAWiizPEuf3Rvr8QEac21uRVsYb9hjesWBxuF  
L31UCqx296TVRtgPCJspQJYHkwUeA4o3a2pvYKwRrCCAmi2NirDG  
Kyir31LZTQ2hk1DRxeticnsQCA8tjFZcgJiKNaRARZME5fpfAjWj
- [Make your own](#) WIF or HEX for test
- For searching for uncompressed WIF 5.. (51 length) use the **-b** parameter!

## Mode 1

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### Find passphrases, minikeys and private keys from a text file

- Works only in CPU
- `-t ?` amount of cores (threads) to use? 1-11 max
- If CPU has 64 cores, you can run 6 copies of the program `-t 10` with different dictionaries.txt
- For text files less than 100,000 use `-t 1`
- Maximun amount of lines in text file is 2,147,483,647 on a new line

- If the file is larger than that, cut into EmEditor chunks by 2,000,000,000 lines
- The last two lines in the file are **DISCARDED!**

To search for passphrases, for Uncompressed addresses use -u or -b

- For passphrases use only letters and symbols: A-Za-z0-9A-Яa-яЁёЪъБб`~!@#\$%&\*()-\_+={}|;:'<>.,/? others will be skipped!
- Run: `Fialka.exe -t 6 -r 1 -m addresses --coin BTC -s dictionary-words.txt -z Passphrases -i test.bin`

```
C:\Users\BOSS>Fialka.exe -t 6 -r 1 -m addresses --coin BTC -s dictionary-words.txt -z Passphrases -i test.bin

Fialka M-125 (05.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Multi Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC HASH160s   : test.bin
OUTPUT FILE    : Found.txt

Loading        : 100 %
Loaded         : 75,471 Bitcoin addresses

Bloom at       : 000001F3F17CC250
Version        : 2.1
Entries        : 150942
Error          : 0.0000010000
Bits           : 4340363
Bits/Elem     : 28.755175
Bytes          : 542546 (0 MB)
Hash funcs     : 20

Start Time     : Fri Jan  7 12:57:11 2022

Mode           : 1
Rotor          : Loading Passphrases from file: dictionary-words.txt ...ok
Loaded         : 63994817 Passphrases
Rotor          : Only letters and symbols: A-Za-z0-9_!@#%&*()-+={}|;:;<>,./? others will be Skipped!
Rotor          : For files up to 100,000 use -t 1 For large file max to 2,147,483,647 lines use -t 1-11 max
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:17] [c708af9] [1F184AB66106030E3570E32904B824ED908419C5A2A67CC63F022E0D3246689A] [CPU: 97.47 Kk/s] [F: 0] [T: 1,176,778] [Skip: 0]
=====
PubAddress: 1PoQRMsXyQFSqCCRek7tt7umFRkJG9TY8x
Priv (WIF): p2pkh:L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJwXVfDi4Nslcm
Priv (HEX): BA7816BF8F01CFEA414140DE5DAE2223B00361A396177A9CB410FF61F20015AD
PubK (HEX): 0223542D61708E3FC48BA78FBE8FCC983BA94A520BC33F82B8E45E51DBC47AF272
=====
[00:00:46] [c3cea18] [245655779D1ED049315BFEC6439D8A4761F48D8A35150F69BE7B56C86FE3F83] [CPU: 252.88 Kk/s] [F: 1] [T: 8,082,251] [Skip: 0]
=====
PubAddress: 1Mfw1us14DXJ8ju881ewjt48tswgEshU62
Priv (WIF): p2pkh:Ky1R31LZTQ2hk1DRxEt1cnsQCA8tjFZcgjK1NARaRZME5fpfAJwJ
Priv (HEX): 4470FE9AA6436E02C2DEA340FBD1E352E4EF2D08CE6A5A2AD25D4B95471FC88F2
PubK (HEX): 03ED88FB3173D3ADCACABCD049745E3946792B7CB92024E93966FB57511BFF853BE
=====
[00:03:39] [c0c6ae79] [69D7B4C2DA7B45DC51BB53FB9B8DC2C8CC47315247CF73321C233EF77373183C] [CPU: 251.59 Kk/s] [F: 2] [T: 51,945,231] [Skip: 0]
=====
PubAddress: 1PoQRMsXyQFSqCCRek7tt7umFRkJG9TY8x
Priv (WIF): p2pkh:L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJwXVfDi4Nslcm
Priv (HEX): BA7816BF8F01CFEA414140DE5DAE2223B00361A396177A9CB410FF61F20015AD
PubK (HEX): 0223542D61708E3FC48BA78FBE8FCC983BA94A520BC33F82B8E45E51DBC47AF272
=====
[00:04:37] [c17408a6] [6AE4642645EDBB4779A056D08929F927181B4F41CFB48F0FDB9515ACEBF809F] [CPU: 248.86 Kk/s] [F: 3] [T: 66,126,126] [Skip: 0]
Search is Finish! Found: 3
```

## To search for BIP39 words

- For manual exact search of BIP39 word combinations
- Runs slowly on only one core! Use -t 1 If you need faster, use copies of the Fialka M-125 program with different text files
- Use a generator to generate BIP39 word combinations.
- Example: `Generator.exe --dictlist "in.txt,in2.txt" --rule "$0[_]?$1" -s " " out.txt`



- Run: `Fialka.exe -t 1 -r 1 -m address --coin BTC -s bips-list.txt -z BIP -n 5`  
1ASs2iVA1CCXoMGD98TDsdsoiFDDAbaqbd

```

Администратор: Командная строка
C:\Users\BOSS>Fialka.exe -t 1 -r 1 -m address --coin BTC -s bips-list.txt -z BIP -n 5 1ASs2iVA1CCXoMGD98TDsdsoiFDDAbaqbd

Fialka M-125 (10.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE        : CPU
CPU THREAD     : 1
SSE            : YES
BTC ADDRESS    : 1ASs2iVA1CCXoMGD98TDsdsoiFDDAbaqbd
OUTPUT FILE    : Found.txt

Start Time     : Tue Jan 11 20:03:49 2022

Mode           : 1
Rotor          : Loading BIP39 WORDs from file: bips-list.txt ...ok
Loaded         : 26 BIPs words
Mode BIP       : BIP39 -> Bip32 -> Bip44
Use words      : English 3,6,9,12,15,18,21,24
BIP32          : Account 0 m/0/0 -> m/0/5
BIP32          : Account 1 m/1/0 -> m/1/5
BIP44          : Account 0 External 0 m/44'/0'/0'/0 -> m/44'/0'/0'/0/5
BIP44          : Account 0 External 1 m/44'/0'/0'/1/0 -> m/44'/0'/0'/1/5
BIP44          : Account 1 External 0 m/44'/0'/1'/0/0 -> m/44'/0'/1'/0/5
BIP44          : Account 1 External 1 m/44'/0'/1'/1/0 -> m/44'/0'/1'/1/5
Check          : 6 addresses for each account (Total addr. for each BIP 36)
Rotor          : For files up to 100,000 use -t 1 For large file max to 2,147,483,647 lines use -t 1-11 max (For BIP -t 1 MAX)
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sflmwsukz9

[00:00:19] [F: 0] [BIP: 23] [Addresses: 667] [CPU: 33.63/s] [Skip: 0] [word tonight have answer crop light] rip option burger]
===== FOUND! =====
BIP Words : enlist word mirror cable meat flag length symptom opinion
BIP39 SEED: 0ae11d78675cf9a9f6132013df2df2a6ef8dc7511550187e9cda13efaa369353fb1961ae08ef82068c3992cb25fd1eace14e720080fe37578202719745762fb
Address    : 1ASs2iVA1CCXoMGD98TDsdsoiFDDAbaqbd
Priv (WIF): p2pkh: L4Q5TKeUqHjXLCGj6zPcn51cSerhVUZe921im4p9MQGFjEguf52
Priv (HEX): D631DF38498435DDA30BD50A00D0A9E6CFB0C06C50607DABB1215A423B9F9F2
PubK (HEX): 033E3545991D03C746F800F890C97FC7E66459BB8360AF363A12FDE5E378CDADBC
=====
[00:00:22] [F: 1] [BIP: 26] [Addresses: 770] [CPU: 33.75/s] [Skip: 0] [release devote coffee habit battle mammal sound ankle exchange naive lion march]
Search is Finish! Found: 1

```

## To search for **minikeys**

- For minikeys S... (length 22) use -u parameter or S... (length 30) use -b parameter
- Run: `Fialka.exe -b -t 6 -r 1 -m address --coin BTC -s dictionary-minikeys.txt -z Passphrases 14VkdDuvFXs8sMhqznWzioMXKbPAuLofeb`

```

Администратор: Командная строка
C:\Users\BOSS>Fialka.exe -t 11 -r 1 -m address --coin BTC -s dictionary-minikeys.txt -z Passphrases 14VkdDuvFXs8sMhqznWzioMXKbPAuLofeb

Fialka M-125 (10.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE        : CPU
CPU THREAD     : 11
SSE            : YES
BTC ADDRESS    : 14VkdDuvFXs8sMhqznWzioMXKbPAuLofeb
OUTPUT FILE    : Found.txt

Start Time     : Tue Jan 11 20:11:30 2022

Mode           : 1
Rotor          : Loading Passphrases from file: dictionary-minikeys.txt ...ok
Loaded         : 63994818 Passphrases
Rotor          : Only letters and symbols: A-Za-z0-9_-~!@#$%^&*()-_+={}|;:'<>,./? others will be Skipped!
Rotor          : For files up to 100,000 use -t 1 For large file max to 2,147,483,647 lines use -t 1-11 max (For BIP -t 1 MAX)
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sflmwsukz9

[00:01:19] [c4b65af] [88795853F361F85E6E82C752714D9E83C52509D78B9C1E2E1C75CE28393AB272] [CPU: 278.21 Kk/s] [F: 0] [T: 9,966,257] [Skip: 0]
===== FOUND! =====
Address    : 14VkdDuvFXs8sMhqznWzioMXKbPAuLofeb
Priv (WIF): p2pkh: L35KAAPqRbsZYsD4tHHxeQZdpS8ao65R71KYab94tdVStuiANCMU
Priv (HEX): AE8463CC8536279236A12F41259EA57D4E1459C696FE90DA4C839A91D52B1844
PubK (HEX): 02FCE38F2AA71DDF0F80345D1567E100F8D9C88A48D69B373F8077F444C072C1E2
=====
[00:04:57] [c074c168] [3875BD055FA7A548B22AEC121A3D83B700B7D11EB2A83C4068EB3BCB1E87D0874] [CPU: 280.04 Kk/s] [F: 1] [T: 70,992,770] [Skip: 0]
Search is Finish! Found: 1

```

## To search for private keys WIF

- For WIF ONLY! letters Base58  
(ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)

- For WIF the first letter must be L... (length 52) and K... (length 52) or 5... (length 51) if 5.. WIF is listed use -b
- Run: `Fialka.exe -t 6 -r 1 -m addresses --coin BTC -s dictionary-WIF.txt -z WIF -i test.bin`

```

Администратор: Командная строка
C:\Users\BOSS>Fialka.exe -t 11 -r 1 -m addresses --coin BTC -s dictionary-WIF.txt -z WIF -i test.bin

Fialka M-125 (05.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Multi Address
DEVICE : CPU
CPU THREAD : 11
SSE : YES
BTC HASH160s : test.bin
OUTPUT FILE : Found.txt

Loading : 100 %
Loaded : 75,471 Bitcoin addresses

Bloom at : 00000203291D8280
Version : 2.1
Entries : 150942
Error : 0.0000010000
Bits : 4340363
Bits/Elem : 28.755175
Bytes : 542546 (0 MB)
Hash funcs : 20

Start Time : Fri Jan 7 13:14:27 2022

Mode : 1
Rotor : Loading Private keys (WIF L,K,5) from file: dictionary-WIF.txt ...ok
Loaded : 18074655 WIF (L,K,5) private keys
Rotor : For files up to 100,000 use -t 1 For large file max to 2,147,483,647 lines use -t 1-11 max
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mvl8pe688yucaw9sflmwsukz9

[00:00:27] [Kw0i8f89qGbgjEhkhXJUH7LrAT7fZi3qYuxvkRPMm5vSDofLME1] [FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFDFE8BB0A8901D68E48F9A6CD38C72] [CPU: 391.98 Kk/s] [F: 0] [T: 6,946,235] [Skip: 0]
=====
PubAddress: 15KqNGHFEVIR54WTVYJ4TRoDt5XH5ESzW9
Priv (WIF): p2pkh:L3BEabkqcsppnTdZAwilzPEuf3Rvr8QEac21uRVsYb9hjesWBxuf
Priv (HEX): B1C028717C948D4243E83B5E98BA37FB273BC035E4AD8FC438EA4D07A1043F56
PubK (HEX): 03ABC0DD6E7AFD2D884118807F8129C33ABA0AE28E075BF013468BAF016F860B08
=====
Invalid private key, size != 38 (size=76)!
[00:01:12] [Kw0i8f89qGbgjEhkhXJUH7LrAVGyZi3qYuxvkRPMm5vSDofLME1] [FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFDFE8A8BE3A6FEBB470763F3D28921EA] [CPU: 391.56 Kk/s] [F: 1] [T: 24,655,725] [Skip: 0]
=====
PubAddress: 15KqNGHFEVIR54WTVYJ4TRoDt5XH5ESzW9
Priv (WIF): p2pkh:L3BEabkqcsppnTdZAwilzPEuf3Rvr8QEac21uRVsYb9hjesWBxuf
Priv (HEX): B1C028717C948D4243E83B5E98BA37FB273BC035E4AD8FC438EA4D07A1043F56
PubK (HEX): 03ABC0DD6E7AFD2D884118807F8129C33ABA0AE28E075BF013468BAF016F860B08
=====
Search is Finish! Found: 2

```

## To search for private keys HEX

- For HEX use only 0,1,3,4,5,6,7,8,9,a,b,c,d,e,f length 1-64 max)
- Run: `Fialka.exe -t 6 -r 1 -m addresses --coin BTC -s private-keys-list.txt -z HEX -i test.bin`

```

Администратор: Командная строка
C:\Users\BOSS>Fialka.exe -t 6 -r 1 -m addresses --coin BTC -s private-keys-list.txt -z HEX -i test.bin

Fialka M-125 (05.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Multi Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC HASH160s : test.bin
OUTPUT FILE : Found.txt

Loading : 100 %
Loaded : 75,471 Bitcoin addresses

Bloom at : 000002CBA053B6E0
Version : 2.1
Entries : 150942
Error : 0.0000010000
Bits : 4340363
Bits/Elem : 28.755175
Bytes : 542546 (0 MB)
Hash funcs : 20

Start Time : Fri Jan 7 13:49:47 2022

Mode : 1
Rotor : Loading Private keys (HEX) from file: private-keys-list.txt ...ok
Loaded : 115765160 HEX private keys
Rotor : For files up to 100,000 use -t 1 For large file max to 2,147,483,647 lines use -t 1-11 max
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mvl8pe688yucaw9sflmwsukz9

[00:04:28] [ba7816bf8f01c0ea414140de5dae2223b00061a396177a9cb410ff61f31697a0] [BA7816BF8F01C0EA414140DE5DAE2223B00061A396177A9CB410FF61F31697A0] [CPU: 282.77 Kk/s] [F: 0] [T: 63,641,747] [Skip: 0]
=====
PubAddress: 1PQQRWxYQf5qCCRek7tt7umfrk3G9TV8x
Priv (WIF): p2pkh:L3UBXym73YcMX01sslgz2z2MvxTxjU3VRf9S4jJWXVfD0I4Nslcm
Priv (HEX): BA7816BF8F01C0EA414140DE5DAE2223B00061A396177A9CB410FF61F20015AD
PubK (HEX): 0223542061708E3FC48BA78FBE8FC983BA94A520BC33F82B8E45E1D0C47AF272
=====
[00:05:53] [ba7816bf8f01c0ea414140de5dae2223b00061a396177a9cb410ff61f40ba8f3] [BA7816BF8F01C0EA414140DE5DAE2223B00061A396177A9CB410FF61F40BA8F3] [CPU: 284.06 Kk/s] [F: 1] [T: 87,204,377] [Skip: 0]
=====
PubAddress: 14Nmb7rFFldZhKaudSh7NDSLQfma73Cz2
Priv (WIF): p2pkh:L31Uqx296TVRTgpC3spQJYHkUeA4o3a2pvVkuRrCCAmI2N1r0G
Priv (HEX): ACBA25512100F80B856FC3CCD14c68E5509400CDA775B5CF41A807E398F99E
PubK (HEX): 024D7F6D07FC4F08DE5F08B8CF5B3C1B8A009C0028F18BEFC39C6DC35E3AD22573
=====
[00:08:10] [ba7816bf8f01c0ea414140de5dae2223b00061a396177a9cb410ff61f59f2cea] [BA7816BF8F01C0EA414140DE5DAE2223B00061A396177A9CB410FF61F59F2CEA] [CPU: 288.39 Kk/s] [F: 2] [T: 125,679,401] [Skip: 0]
Search is Finish! Found: 2

```

## Mode 2

### Random search WIF from puzzle 64 bit

- VanitySearch search the prefix 16jY7qLJ from a [puzzles 64 bits](#)
- Example WIF out:  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZryGJLxfH1P  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYwJvoHMhmXgVkJmTcAx  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYwYTCAfXHKuFsZ2stFG  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYwyWFyQr5iVJkTvXccg  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVeYFPidEza7Td  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qZ3hA1yqkkqoyqype3pQ  
KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVeYFPidEza7Td
- We know that the private key corresponds to 64 bits. Therefore, set the -d 64 range bit limiter.
- If the output private key is more or less than 64 bits, skip...
- For 256 bit range use -d 256 or other ranges skip...
- -n ? amount of random letters. If prefix 41 letters 52-41 = -n 11
- Run: Fialka.exe -t 6 -r 2 -s KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m address --coin BTC 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6

```
Администратор: Командная строка - Fialka.exe -t 6 -r 2 -s KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m address --coin BTC 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6
Microsoft Windows [Version 10.0.22000.258]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

C:\Users\BOSS>Fialka.exe -t 6 -r 2 -s KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe -n 11 -d 64 -m address --coin BTC 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6

Fialka M-125 (10.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE     : Single Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC ADDRESS    : 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6
OUTPUT FILE    : Found.txt

Start Time     : Tue Jan 11 21:30:25 2022

Mode           : 2
Rotor          : Check private keys only 64 (bit) (others will be skipped, use -m 1-256, default -d 64)
WIF            : KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe
Value          : 11 x (1-Z Base58)
Example        : KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVe + 11 random 1-Z Base58
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:25] [KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVEDtL2Kx4zh3k] [B015D52DB8A4494C] [CPU: 319.78 Kk/s] [F: 0] [T: 8,290,351] [Skip: 4,673,391]
===== FOUND! =====
Address      : 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6
Priv (WIF)   : p2pkh: KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVeYFPidEza7Td
Priv (HEX)   : B015D52DB8A41AD84
PubK (HEX)   : 02CD6D186D8946F6BAA4ECA48CD63DEDA1B0AFE62939811F7EC202DC0007DF16E0
=====

===== FOUND! =====
Address      : 16jY7qd27Snurgjj5rumgHYBEuTSARVSf6
Priv (WIF)   : p2pkh: KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYzMHHGVeYFPidEza7Td
Priv (HEX)   : B015D52DB8A41AD84
PubK (HEX)   : 02CD6D186D8946F6BAA4ECA48CD63DEDA1B0AFE62939811F7EC202DC0007DF16E0
=====
```

## Mode 3

### Parallel search for WIF with continuation

## How to use mode 3 + examples

Run: `Fialka.exe -t 6 -r 3 -d 64 -n 45 -m address --coin BTC`

16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4

```
Администратор: Командная строка - Fialka.exe -t 6 -r 3 -d 64 -n 45 -m address --coin BTC 16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4
C:\Users\BOSS>Fialka.exe -t 6 -r 3 -d 64 -n 45 -m address --coin BTC 16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4

Fialka M-125 (10.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC ADDRESS    : 16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4
OUTPUT FILE    : Found.txt

Start Time     : Mon Jan 10 00:04:35 2022

Mode           : 3
Rotor          : Paralleland sequential search for WIF values. MAX -t 64, 1 core = 1 line
Rotor          : Save checkpoints every 5 minutes in NEXT-WIF.txt
Rotor          : Check private keys only in 64 (bit) (others will be skipped, use -d 1-256, default -d 64)
Rotor          : Identical consecutive private keys on exit from WIF will be skipped
Rotor          : Movable part wif (45) + fixed part (7)
Start WIF(1)   : KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuTryG+ [JLxfH1P]
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:17] [KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZkkVJLxfH1P] [80CC3208CB6D0863] [CPU: 376.09 Kk/s] [F: 0] [T: 6,642,257] [Skip: 0]
===== FOUND! =====
Address       : 16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4
Priv (WIF)    : p2pkh: KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZryGJLxfH1P
Priv (HEX)    : 80CC3208CB6D0AC88
PubK (HEX)    : 02BE5DF18BC7B2E38AFBF59FE98EBE91929EE07ED5CCEBE8D29E708A78C461EA5D
=====
[00:00:38] [KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuGcmGJLxfH1P] [80CC3208CB9395FB] [CPU: 359.06 Kk/s] [F: 1] [T: 14,257,864] [Skip: 0]
```

## Mode 4

### Parallel search for passphrases with continuation + filter

#### How to use mode 4 + examples

- Use the `-u` or `-b` parameter to find old passphrases

Run: `Fialka.exe -t 6 -r 4 -m addresses --coin BTC -i test.bin -n 60`

Run: `Fialka.exe -t 6 -r 4 -n 60 -m address --coin BTC`

14Nmb7rFFLdZhKaud5h7nDSLfQfma7JCz2

```
Администратор: Командная строка - Fialka.exe -t 6 -r 4 -n 60 -m address --coin BTC 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2
C:\Users\BOSS>Fialka.exe -t 6 -r 4 -n 60 -m address --coin BTC 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2

Fialka M-125 (05.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Single Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC ADDRESS : 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2
OUTPUT FILE : Found.txt

Start Time : Fri Jan 7 14:39:45 2022

Mode : 4
Rotor : Paralleland sequential search Passphrases. MAX -t 64
Rotor : Save checkpoints every 5 minutes in NEXT-Passphrases.txt
Rotor : Activated filter-replacement of 3 identical letters (AAA->AAB) every ~60 seconds
Letters : (ABCDEFGHIJKLMNQRSTUUVWXYZabcdefghijklmnopqrstuvwxyz)
Passphrase1 : Hello my friend
...
Passphrase6 : Trussardi
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sflmwsukz9

[00:00:01] [Hello my frjFFv] [B4B2B6C19022F579CFA4DD15422006A04E0A5650CB643038414CAFAA95608FC1F] [CPU: 497.09 Kk/s] [F: 0] [T: 499,190] [Replaces: 0]
=====
PubAddress: 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2
Priv (WIF): p2pkh:L31UCqx296TVRtgPCJspQJYHkwUeA4o3a2pvYKwRrCCAmi2NirDg
Priv (HEX): ACBA25512100F80B56FC3CCD14C65BE5D94800CDA77585C5F41A887E398F9BE
PubK (HEX): 024D7F6D07FC4FD8DE5F08B8CF5B3C1B8A0B9C0B28F18EBEC39C6DC35E3AD22573
=====
[00:00:40] [Hello my frxhgq] [8BC933B81F7BD16584C65E7B7C0307043324CAE44A3EFF06E4A011AB425189] [CPU: 270.43 Kk/s] [F: 1] [T: 11,564,758] [Replaces: 0]
```

## Mode 5

### Parallel search for passphrases with continuation + filter

#### How to use mode 5 + examples

- Use the -u or -b parameter to find old passphrases

Run: Fialka.exe -t 6 -r 5 -n 60 -m addresses --coin BTC -i test.bin

Run: Fialka.exe -t 6 -r 5 -n 60 -m address --coin BTC

14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2

```
Filter 3 letters + Replace: TurboNuuU -> TurboNuuV
C:\Users\BOSS>Fialka.exe -t 6 -r 5 -n 60 -m address --coin BTC 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2

Fialka M-125 (05.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Single Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC ADDRESS : 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2
OUTPUT FILE : Found.txt

Start Time : Fri Jan 7 14:48:48 2022

Mode : 5
Rotor : Paralleland sequential search Passphrases. MAX -t 64
Rotor : Save checkpoints every 5 minutes in NEXT-Passphrases.txt
Rotor : Activated filter-replacement of 3 identical letters (AAA->AAB) every ~60 seconds
Letters : (ABCDEFGHIJKLMNQRSTUUVWXYZabcdefghijklmnopqrstuvwxyz0123456789)
Passphrase1 : Hello my friend
...
Passphrase6 : Trussardi
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sflmwsukz9

[00:00:02] [Hello my fri7ha] [67E0502DF780ACD2024A0375CD990CC50CB8E3E8866022A6E7613B9CC3266B69] [CPU: 379.72 Kk/s] [F: 0] [T: 763,460] [Replaces: 0]
=====
PubAddress: 14Nmb7rFFLdZhKaud5h7nDSLQfma7JCz2
Priv (WIF): p2pkh:L31UCqx296TVRtgPCJspQJYHkwUeA4o3a2pvYKwRrCCAmi2NirDg
Priv (HEX): ACBA25512100F80B56FC3CCD14C65BE5D94800CDA77585C5F41A887E398F9BE
PubK (HEX): 024D7F6D07FC4FD8DE5F08B8CF5B3C1B8A0B9C0B28F18EBEC39C6DC35E3AD22573
=====
[00:01:34] [Hello my fr2d5v] [8057F6537525B75B91D70C8BF6DAE487A63C7374AC7DC47637876B42ED687326] [CPU: 265.95 Kk/s] [F: 1] [T: 25,778,864] [Replaces: 27]
```

## Mode 6



# Parallel search for passphrases with continuation + Filter

## How to use mode 6 + examples

- Use the -u or -b parameter to find old passphrases

Run: Fialka.exe -t 6 -r 6 -n 60 -m addresses --coin BTC -i test.bin

Run: Fialka.exe -t 6 -r 6 -n 60 -m address --coin BTC

15KqNGHFEViRS4WTYYJ4TRoDtSXH5ESzW9

```
Filter 3 letters + Replace: Trussard -> Trussard
C:\Users\BOSS>Fialka.exe -t 6 -r 6 -n 60 -m address --coin BTC 15KqNGHFEViRS4WTYYJ4TRoDtSXH5ESzW9

Fialka M-125 (05.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC ADDRESS    : 15KqNGHFEViRS4WTYYJ4TRoDtSXH5ESzW9
OUTPUT FILE    : Found.txt

Start Time     : Fri Jan  7 14:56:14 2022

Mode           : 6
Rotor          : Parallel and sequential search Passphrases. MAX -t 64
Rotor          : Save checkpoints every 5 minutes in NEXT-Passphrases.txt
Rotor          : Activated filter-replacement of 3 identical letters (AAA->AAB) every ~60 seconds
Letters        : (ABCEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789!#$%&'()*+,-./:;<=>?@[^_`{|}~ )
Passphrase1    : Hello my friend

Passphrase6    : Trussard
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mwl8pe688yucaw9sflmwsukz9

[00:00:04] [Hello my fri5N3] [7C5AB3D1B75D608558FB5224C294C8A9390F53F52935CF48DD00C672B5037836] [CPU: 356.23 Kk/s] [F: 0] [T: 1,430,306] [Replaces: 0]
-----
PubAddress: 15KqNGHFEViRS4WTYYJ4TRoDtSXH5ESzW9
Priv (WIF): p2pkh:L38EabkqcsppnTdZAwilzPFuf3Rvr8QEac21uRVsYb9hjesWBxuF
Priv (HEX): 81C02B717C948D4243F83B5F98BA37FB273BC035E4A08FC438EA4D07A1043F56
PubK (HEX): 03ABC0DD6E7AFD2D884118807FB129C33ABA0AE28E075BF013468BAF016F86D8D8
-----
[00:05:21] [Hello my fr2;K] [FB268E1423C4E480D67959C872798F0CCB61526501E56A68E90A4246560A39BF] [CPU: 268.86 Kk/s] [F: 1] [T: 85,241,478] [Replaces: 49]
```

## Mode 7

### Parallel search for WIF with continuation (without range limiter -d)

Similar [settings as in mode 3](#) without range limiter -d

Run: Fialka.exe -t 6 -r 7 -n 45 -m address --coin BTC

16jY7q2ZeFPaadZvdygopRURcXhwBWKsA4

```
Администратор: Командная строка - Fialka.exe -t 6 -r 7 -n 45 -m address --coin BTC 16jY7q2ZeFpaadZvdygopRURcXhwBWKsA4
Microsoft Windows [Version 10.0.22000.258]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

C:\Users\BOSS>Fialka.exe -t 6 -r 7 -n 45 -m address --coin BTC 16jY7q2ZeFpaadZvdygopRURcXhwBWKsA4

Fialka M-125 (10.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC ADDRESS    : 16jY7q2ZeFpaadZvdygopRURcXhwBWKsA4
OUTPUT FILE    : Found.txt

Start Time     : Mon Jan 10 00:16:15 2022

Mode          : 7
Rotor         : Parallel and sequential search for WIF values. MAX -t 64, 1 core = 1 line
Rotor         : Save checkpoints every 5 minutes in NEXT-WIF.txt
Rotor         : Movable part wif (45) + fixed part (7)
Start WIF(1)   : KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuTryG+JLxfH1P]
...
Start WIF(6)   : KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuTryGJLxfH1P
Site          : https://github.com/phrutis/Fialka
Donate        : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:11] [KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZj6uJLxfH1P] [80CC3208CB6CDE6] [CPU: 607.52 Kk/s] [F: 0] [T: 6,876,704]
===== FOUND! =====
Address      : 16jY7q2ZeFpaadZvdygopRURcXhwBWKsA4
Priv (WIF)   : p2pkh: KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZryGJLxfH1P
Priv (HEX)   : 80CC3208CB6DAC88
PubK (HEX)   : 02BE5DF18BC7B2E38AFBF59FE98EBE91929EE07ED5CCEBE8D29E708A78C461EA5D
=====
[00:00:30] [KwDiBf89QgGbjEhKnhXJuH7LrciVrZi3qYvQqYKVuZjDZJLxfH1P] [80CC3208CBA59AA3] [CPU: 558.93 Kk/s] [F: 1] [T: 18,125,126]
```

## Mode 8

### Parallel search for minikeys S.. with continuation

Create file Minikeys.txt Add Minikeys S... (22) or S.. (30) on a new line. One line = 1 thread (-t 1) max -t 64

- For minikeys S... (length 22) use -u parameter or S.. (length 30) use -b parameter

Run: Fialka.exe -t 6 -r 8 -m address --coin BTC 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ

```
Администратор: Командная строка - Fialka.exe -t 6 -r 8 -m address --coin BTC 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
C:\Users\BOSS>Fialka.exe -t 6 -r 8 -m address --coin BTC 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ

Fialka M-125 (12.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Single Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC ADDRESS    : 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
OUTPUT FILE    : Found.txt

Start Time     : Wed Jan 12 21:27:52 2022

Mode          : 8
Rotor         : Parallel and sequential search Minikeys. MAX -t 64
Rotor         : Save checkpoints every 5 minutes in NEW-Minikeys.txt
Letters       : Base58 (ABCDEFGHJKLMNPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Minikey1      : SYXqbKXyXaKF23cSMV1Csa
...
Minikey6      : SFAAAAAAAAAAAAAAAAAAAAAA
Site          : https://github.com/phrutis/Fialka
Donate        : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:06] [SYXqbKXyXaKF23cSMV6z74] [87E4886CF9248D62A2A22158E7ECC0D89114E19655F41FA29F0BFF1A8EA0B42] [CPU: 1.23 Mk/s] [F: 0] [V: 196,287] [Skip: 7,265,978]
===== FOUND! =====
Address      : 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
Priv (WIF)   : p2pkh: KxwMZZdSzl4qtenfYcMnvvY18vtG71nw25oG2bqpd3ZsJqYyWqrb
Priv (HEX)   : 3342C8B5D180EFB77A6245E5BEF82FF067019A4046ABF5DA563008D67D66B347
PubK (HEX)   : 03B2A5596A9A6B42D7D085C81D97A620B7C97DD5E8712D532228DB90858DA3272E
=====
[00:00:29] [SYXqbKXyXaKF23cSMWUvUy] [2A1E007FBD543258431084D69657ACD7F75E43A872B297D74F74A41F20013402] [CPU: 1.06 Mk/s] [F: 1] [V: 881,278] [Skip: 32,731,362]
```

## Mode 9

# GPU Parallel WIF search

- Use [WifSolverCuda](#)

## Mode 10

---

### Random search for minikeys 22 S...

Run: Fialka.exe -u -t 6 -r 10 -m addresses --coin BTC -i test.bin

```
Администратор: Командная строка - Fialka.exe -t 6 -r 10 -m addresses --coin BTC -i test.bin
Microsoft Windows [Version 10.0.22000.258]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

C:\Users\BOSS>Fialka.exe -t 6 -r 10 -m addresses --coin BTC -i test.bin

Fialka M-125 (05.01.2022)

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Multi Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC HASH160s   : test.bin
OUTPUT FILE    : Found.txt

Loading        : 100 %
Loaded         : 75,471 Bitcoin addresses

Bloom at       : 0000017C8E698980
Version        : 2.1
Entries        : 150942
Error          : 0.0000010000
Bits           : 4340363
Bits/Elem      : 28.755175
Bytes          : 542546 (0 MB)
Hash funcs     : 20

Start Time     : Fri Jan  7 15:39:12 2022

Mode           : 10
Rotor          : Random search Minikeys 22 letters. Ex. Sxxxxxxxxxxxxxxxxxxxxxx
Letters        : Base58 (ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5Fujg93mw18pe688yucaw9sflmwsukz9

[00:00:01] [SJHXqEdMZs71wb31n79gYW] [7F3FBB68BC750FB5C57AEDF2067F6788B2A263CE34DCE6920213E75FAF7E619] [CPU: 435.13 Kk/s] [F: 0] [T: 436,957] ─
```

## Mode 11

---

### Random search for minikeys 30 S...

Run: Fialka.exe -b -t 6 -r 11 -m addresses --coin BTC -i test.bin

```
Администратор: Командная строка - Fialka.exe -t 6 -r 11 -m addresses --coin BTC -i test.bin
C:\Users\BOSS>Fialka.exe -t 6 -r 11 -m addresses --coin BTC -i test.bin

Fialka M-125 (05.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Multi Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC HASH160s : test.bin
OUTPUT FILE : Found.txt

Loading : 100 %
Loaded : 75,471 Bitcoin addresses

Bloom at : 000001EAB92E6C70
Version : 2.1
Entries : 150942
Error : 0.0000010000
Bits : 4340363
Bits/Elem : 28.755175
Bytes : 542546 (0 MB)
Hash funcs : 20

Start Time : Fri Jan 7 15:40:42 2022

Mode : 11
Rotor : Random search Minikeys 30 litters. Ex. Sxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Letters : Base58 (ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:30] [SFhLpfivFqAYFjirXyagg56PvtD3nx] [3AE6C358789B831AFC8D84764B60D3F6515E079AED38CF4ED9C2DD28691ABE7E] [CPU: 294.74 Kk/s] [F: 0] [T: 8,826,482]
```

## Mode 12

### Random search for minikeys 22, 30 S...

- -s ? the first part of the key S.....
- -n ? how many letters to randomize?
- -z second part of the key (you can do without it)
- For minikeys S... (length 22) use -u parameter or S... (length 30) use -b parameter

Run: Fialka.exe -u -t 6 -r 12 -s SHwfehdFcL -n 3 -z 2ieZEtK -m address --coin BTC  
1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG

```
Администратор: Командная строка - Fialka.exe -t 6 -r 12 -s SHwfehdFcL -n 4 -z ieZEtK -m address --coin BTC 1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG
C:\Users\BOSS>Fialka.exe -t 6 -r 12 -s SHwfehdFcL -n 4 -z ieZEtK -m address --coin BTC 1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG

Fialka M-125 (10.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Single Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC ADDRESS : 1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG
OUTPUT FILE : Found.txt

Start Time : Tue Jan 11 19:55:24 2022

Mode : 12
Rotor : Random search Minikeys
Letters : Base58 (ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Rotor : SHwfehdFcL[random 4 letters]ieZEtK
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:31] [SHwfehdFcLnmUsieZEtK] [7592361E2347548BEFCA5B556AE05463C985080BD523C68210ED5EC998B03D53] [CPU: 265.57 Kk/s] [F: 0] [T: 9,212,533]
===== FOUND! =====
Address : 1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG
Priv (WIF): p2pkh: L21C3HoNLFpRd9sQ8efSh7bH9PEXuVApnS1obrhZma4bKS6QNJkb
Priv (HEX): 8EBF11788B5AA5644350F44C7603712170275057D505D843A68E94B3FFF94579
Pubk (HEX): 02C250685F7F3DFE85D58167923EB54DDF8B743086731137530E7BC41262904438
=====
[00:00:49] [SHwfehdFcLwcKiieZEtK] [9CE238634853C855A8E52AF7F4AAA2FE8A5D9E7C8D76CD8F8CD9D7F7557C67F] [CPU: 261.93 Kk/s] [F: 1] [T: 13,985,369]
===== FOUND! =====
Address : 1GWPWQNWdnYQYuo4DPzEhFCKhKq8dxGYSG
Priv (WIF): p2pkh: L21C3HoNLFpRd9sQ8efSh7bH9PEXuVApnS1obrhZma4bKS6QNJkb
Priv (HEX): 8EBF11788B5AA5644350F44C7603712170275057D505D843A68E94B3FFF94579
Pubk (HEX): 02C250685F7F3DFE85D58167923EB54DDF8B743086731137530E7BC41262904438
=====
[00:01:10] [SHwfehdFcLoCYsieZEtK] [AD1834FFE681567B52ADD4B22B3C713C401A324A03760DBE88DF440EFF3A37D] [CPU: 246.50 Kk/s] [F: 2] [T: 19,177,660]
```



# Mode 13 (best performance)

## Random search for minikeys 22, 30 S... (Analog mode 12)

- Checking minikays for validity "V" (? = 0x00...) If the mini-key is not valid then skip...
- -s ? the first part of the key S.....
- -n ? how many letters to randomize?
- -z second part of the key (you can do without it)
- For minikeys S... (length 22) use -u parameter or S... (length 30) use -b parameter

Run: Fialka.exe -u -t 1 -r 13 -s SYXqbKXyX -n 4 -z 3cSMV7Csa -m address --coin BTC  
1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ

if full random:

Run: Fialka.exe -u -t 6 -r 13 -s S -n 21 -m addresses --coin BTC -i test.bin

```
Администратор: Командная строка - Fialka.exe -t 6 -r 13 -s SYXqbKXyX -n 4 -z 3cSMV7Csa -m address --coin BTC 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
C:\Users\BOSS>Fialka.exe -t 6 -r 13 -s SYXqbKXyX -n 4 -z 3cSMV7Csa -m address --coin BTC 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ

Fialka M-125 (12.01.2022)

COMP MODE : COMPRESSED
COIN TYPE : BITCOIN
SEARCH MODE : Single Address
DEVICE : CPU
CPU THREAD : 6
SSE : YES
BTC ADDRESS : 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
OUTPUT FILE : Found.txt

Start Time : Wed Jan 12 20:49:25 2022

Mode : 13
Rotor : Random search Minikeys
Letters : Base58 (ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Rotor : SYXqbKXyX[random 4 letters]3cSMV7Csa
Rotor : Checking mini-keys Sxxxxxxxxxxxxxxxxxxx? If the initial numbers of the private key do not correspond to 00... skip...
Site : https://github.com/phrutis/Fialka
Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

[00:00:09] [SYXqbKXyXF8JA3cSMV7Csa] [E3CD1E69D57197A415B571FAEE80CDF33D118FA391D210842ED2F3CE5F51DE82] [CPU: 1.19 Mk/s] [F: 0] [V: 333,557] [Skip: 11,245,770]
===== FOUND! =====
Address : 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
Priv (WIF): p2pkh: KxwNZZdSzl4qtenFYcMnvVY18vtG71nw25oG2bqpd3Zs3qYyWqrb
Priv (HEX): 3342C8B5D180EFB77A6245E5BEF82FF067019A4046ABF5DA563008D67D66B347
PubK (HEX): 0382A5596A9A6B42D7D805C81D97A620B7C97DD5E8712D532228D890858DA3272E
=====
[00:00:16] [SYXqbKXyXvq143cSMV7Csa] [40F4DD5CBAEC8292B0061F61C48A873BA19FB7E65F92F39410DA4A5FD7DFD7E] [CPU: 1.07 Mk/s] [F: 1] [V: 556,643] [Skip: 18,543,962]
===== FOUND! =====
Address : 1KM1Wq1boMka4M4vavQX5Zyc281G8SbuCQ
Priv (WIF): p2pkh: KxwNZZdSzl4qtenFYcMnvVY18vtG71nw25oG2bqpd3Zs3qYyWqrb
Priv (HEX): 3342C8B5D180EFB77A6245E5BEF82FF067019A4046ABF5DA563008D67D66B347
PubK (HEX): 0382A5596A9A6B42D7D805C81D97A620B7C97DD5E8712D532228D890858DA3272E
=====
[00:00:22] [SYXqbKXyXWDY3cSMV7Csa] [6B95869C041F3BD3832D1D96E04FF69BE02FB8CC469F2FCF13E9A1645C3E9C5E] [CPU: 1.09 Mk/s] [F: 2] [V: 749,568] [Skip: 25,035,869]
```

## Mode 14 (MAX -t 12)

### Parallel search for WIF with continuation + filter AAA -> AAB + checksum check

-n ? ex. -n 38 = Movable part wif (38) + fixed part (13)

Example Create a text file WIF.txt with 6 WIF on a new line.

5JiznUZskJpwodP3SR85vx5JKeopA3QpTK13BuziW8RmGGyJg81  
5KMdQbcUFS3PBbC6VgitFrFuaca3gBY4BJo4jpQ2YTNdPZ1CbuE  
5HwfeuhdFscL9YTQCLT2952dieZEtKbzJ318b4CR1v6YUVLu2D7  
L3BEabkqcsppnTdzAWiizPEuf3Rvr8QEac11uRVsYb9hjesWBxuf  
L31UCqx296TVRtgpCJspQJYHkwUeA4o3a2avYKwRrCCAmi2NirDG  
KyIR31LZTQ2hk1DRxEticensQCA8tjFZcgJaKNaRArZME5fpfAjWj

Run: Fialka.exe -b -t 6 -r 14 -n 38 -m addresses --coin BTC -i test.bin

To turn on the AAA -> AAB filter, use: -s -s Filter

Run: Fialka.exe -b -t 6 -r 14 -n 38 -s Filter -m addresses --coin BTC -i test.bin

C:\Users\BOSS>Fialka.exe -b -t 6 -r 14 -n 38 -m addresses --coin BTC -i test.bin

Fialka M-125 (17.01.2022) v4.0

COMP MODE : COMPRESSED & UNCOMPRESSED  
COIN TYPE : BITCOIN  
SEARCH MODE : Multi Address  
DEVICE : CPU  
CPU THREAD : 6  
SSE : YES  
BTC HASH160s : test.bin  
OUTPUT FILE : Found.txt

Loading : 100 %  
Loaded : 75,471 Bitcoin addresses

Bloom at : 000002733EFF7FC0  
Version : 2.1  
Entries : 150942  
Error : 0.0000010000  
Bits : 4340363  
Bits/Elem : 28.755175  
Bytes : 542546 (0 MB)  
Hash funcs : 20

Start Time : Mon Jan 17 17:32:56 2022

Mode : 14  
Rotor : Paralleland sequential search for WIF values. MAX -t 12, 1 core =  
1 line  
Rotor : Save checkpoints every 5 minutes in NEXT-WIF.txt  
Rotor : Activated filter-replacement of 3 identical letters (AAA->AAB)  
every 1 minute  
Rotor : If the checksum (32 bit) does not equal the private key, skip...  
Rotor : Movable part wif (38) + fixed part (13)  
Start WIF(1) : 5JiznUZskJpwodP3SR85vx5JKeopA3QpTK13Bu+[ziW8RmGGyJg81]  
...  
Start WIF(6) : KyIR31LZTQ2hk1DRxEticensQCA8tjFZcgJaKNaRArZME5fpfAjWj  
Site : <https://github.com/phrutis/Fialka>

Donate : bc1qh2mvnf5fujg93mw18pe688yucaw9sf1mwsukz9

Valid WIF: 5HwfeuhdFscL9YTQCLT2952dieZEtkbzJ328b4CR1v6YUVLu2D7

===== FOUND! =====

Address : 19JxMTT1YqVHAx16NdvGULNajRYvrbFjm1

Priv (WIF): p2pkh: 5HwfeuhdFscL9YTQCLT2952dieZEtkbzJ328b4CR1v6YUVLu2D7

Priv (HEX): 10C22BCF4C768B515BE4E94BCAFC71BF3E8FB5F70B2584BCC8C7533217F2E7F9

PubK (HEX):

04BEC831D2E490FB784CB48284E102B80FF84EC3E0F2F69806002134D166B1B998CD1A8043AEDFBC2D2C7

=====

Valid WIF: L3BEabkqcsppnTdzAWiizPEuf3Rvr8QEac21uRVsYb9hjesWBxuF

===== FOUND! =====

Address : 15KqNGHFEViRS4WTYYJ4TRoDtSXH5ESzW9

Priv (WIF): p2pkh: L3BEabkqcsppnTdzAWiizPEuf3Rvr8QEac21uRVsYb9hjesWBxuF

Priv (HEX): B1C02B717C94BD4243E83B5E98BA37FB273BC035E4AD8FC438EA4D07A1043F56

PubK (HEX): 03ABC0DD6E7AFD2D884118807FB129C33ABA0AE28E075BF01346BBAF016F86DBD8

=====

[00:00:03] [5JiznUZskJpwodP3SR85vx5JKeopA3QpTK5UhdziW8RmGGyJg81] [CPU: 1.42  
Mk/s] [F: 2] [V: 2] [Skip: 4,327,630]

Valid WIF: 5KMDqbcUFS3PBbC6VgitFrFuaca3gBY4BJt4jpQ2YTNdPZ1CbuE

===== FOUND! =====

Address : 1ERNpuxsGB6ytQKTwtCSmeyBTzmyw3uQAG

Priv (WIF): p2pkh: 5KMDqbcUFS3PBbC6VgitFrFuaca3gBY4BJt4jpQ2YTNdPZ1CbuE

Priv (HEX): CADC8EDAB738C1DF2CE192AF17E7D35EBBDCAF075E32ED2CC86F6D97C160DBAE

PubK (HEX):

04AD0831DB6C686A67D03EC1087F05548B38EFA2E6225DC5DF317D901A312E133FC766AD786ABAE17EC1A

=====

[00:00:04] [5JiznUZskJpwodP3SR85vx5JKeopA3QpTK6WEFziW8RmGGyJg81] [CPU: 1.36  
Mk/s] [F: 3] [V: 3] [Skip: 5,510,681]

Valid WIF: 5JiznUZskJpwodP3SR85vx5JKeopA3QpTK63BuziW8RmGGyJg81

===== FOUND! =====

Address : 162TRPRZvdgLVNksMoMyGJsYBfYtB4Q8tM

Priv (WIF): p2pkh: 5JiznUZskJpwodP3SR85vx5JKeopA3QpTK63BuziW8RmGGyJg81

Priv (HEX): 77AF778B51ABD4A3C51C5DDD97204A9C3AE614EBCCB75A606C3B6865AED6744E

PubK (HEX):

04A45EBC40F95CC06EF93A5F5E9DAA22774A5C9A120AC14D87C328B44C1158F81CDDD109246A4D8BFF5F9

=====

[00:00:07] [5JiznUZskJpwodP3SR85vx5JKeopA3QpTK9i9hziW8RmGGyJg81] [CPU: 1.33  
Mk/s] [F: 4] [V: 4] [Skip: 9,415,604]

Valid WIF: KyiR31LZTQ2hk1DRxEticensQCA8tjFZcgJikNaRARZME5fpfAjWj

===== FOUND! =====

Address : 1Mfw1us14DXJ8ju88iewjt48tswqEshU62

```
Priv (WIF): p2pkh: KyiR31LZTQ2hk1DRxEticensQCA8tjFZcgJiKNArArZME5fpfAjWj
Priv (HEX): 4A70FE9AA6436E02C2DEA340FBD1E352E4EF2D8CE6CA52AD25D4B95471FC8BF2
PubK (HEX): 03ED88FB3173D3ADCAABC0D49745E3946792B7CB92024E93966FB57511BFF853BE
=====
[00:00:12] [5JiznUZskJpwodP3SR85vx5JKeopA3QpTLFC1kziW8RmGGyJg81] [CPU: 1.30
Mk/s] [F: 5] [V: 5] [Skip: 16,052,967]
Valid WIF: L31UCqx296TVRtgpCJspQJYHkwUeA4o3a2pvYKwRrCCAmi2NirDG

===== FOUND! =====
Address   : 14Nmb7rFFLdZhKaud5h7nDSLfQfma7JCz2
Priv (WIF): p2pkh: L31UCqx296TVRtgpCJspQJYHkwUeA4o3a2pvYKwRrCCAmi2NirDG
Priv (HEX): ACBA25512100F80B56FC3CCD14C65BE55D94800CDA77585C5F41A887E398F9BE
PubK (HEX): 024D7F6D07FC4FD8DE5F08B8CF5B3C1B8A0B9C0B28F18EBEC39C6DC35E3AD22573
=====
[00:00:36] [5JiznUZskJpwodP3SR85vx5JKeopA3QpTLhZE8ziW8RmGGyJg81] [CPU: 1.14
Mk/s] [F: 6] [V: 6] [Skip: 46,706,108]
```



## Mode 15

---

### Random search part WIF + checksum check

- -s ? part1 (maybe without the first part)
- -n ? how many random letters
- -z ? part2 or checksum (possible without the second part)



Run: Fialka.exe -t 6 -r 15 -s L3UBXym7JYcMX91 -n 4 -z

ZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm -m addresses --coin BTC -i test.bin

```
Администратор: Командная строка - Fialka.exe -t 6 -r 15 -s L3UBXym7JYcMX91 -n 4 -z ZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm -m addresses --coin BTC -i test.bin

C:\Users\BOSS>Fialka.exe -t 6 -r 15 -s L3UBXym7JYcMX91 -n 4 -z ZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm -m addresses --coin BTC -i test.bin

Fialka M-125 (17.01.2022) v4.0

COMP MODE      : COMPRESSED
COIN TYPE      : BITCOIN
SEARCH MODE    : Multi Address
DEVICE         : CPU
CPU THREAD     : 6
SSE            : YES
BTC HASH160s   : test.bin
OUTPUT FILE    : Found.txt

Loading        : 100 %
Loaded         : 75,471 Bitcoin addresses

Bloom at       : 000002C48B41BE70
Version        : 2.1
Entries        : 150942
Error          : 0.0000010000
Bits           : 4340363
Bits/Elem      : 28.755175
Bytes          : 542546 (0 MB)
Hash Funcs     : 20

Start Time     : Mon Jan 17 17:42:22 2022

Mode           : 15
Rotor          : Random search part WIF
Letters        : Base58 (ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz123456789)
Rotor          : L3UBXym7JYcMX91[random 4 letters]ZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm
Rotor          : If the checksum 32 bit (8 last letters in a WIF) does not equal the private key, SKIP...
Site           : https://github.com/phrutis/Fialka
Donate         : bc1qh2mvnf5fujg93mw18pe688yucaw9sflmwsuk9

[00:00:05] [L3UBXym7JYcMX91MSTaZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm] [CPU: 1.90 Mk/s] [F: 0] [V: 0] [Skip: 9,634,786]
Valid WIF: L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm

===== FOUND! =====
Address      : 1PoQRMsXyQFSqCCRek7tt7umfRkJG9TY8x
Priv (WIF)   : p2pkh: L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm
Priv (HEX)   : BA7816BF8F01CFEA414140DE5DAE2223B00361A396177A9CB410FF61F20015AD
PubK (HEX)   : 0223542D61708E3FC48BA78FBE8FCC983BA94A520BC33F82B8E45E51DBC47AF272
=====
[00:00:20] [L3UBXym7JYcMX91wpkRZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm] [CPU: 1.53 Mk/s] [F: 1] [V: 1] [Skip: 34,219,495]
Valid WIF: L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm

===== FOUND! =====
Address      : 1PoQRMsXyQFSqCCRek7tt7umfRkJG9TY8x
Priv (WIF)   : p2pkh: L3UBXym7JYcMX91ssLgZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm
Priv (HEX)   : BA7816BF8F01CFEA414140DE5DAE2223B00361A396177A9CB410FF61F20015AD
PubK (HEX)   : 0223542D61708E3FC48BA78FBE8FCC983BA94A520BC33F82B8E45E51DBC47AF272
=====
[00:00:21] [L3UBXym7JYcMX91yvsVZzS2MvxTxjU3VRf9S4jJWXVFDi4NsLcm] [CPU: 1.53 Mk/s] [F: 2] [V: 2] [Skip: 35,794,277]
```

## VanitySearch special edition for Fialka M-125

Example address [puzzle 64](#) 16jY7qLJnxb7CHZyqBP8qca9d51gAjjXQN

The longer found prefix is, the more accurate is the WIF

You can specify the exact range for the WIF search.

Use start and finish options to randomize between them.

The output creates 2 files: Found.txt and NEW-WIF.txt (only WIF is sorted)