Static analysis

Objective c method:

-[_TtC7DVIA_v232JailbreakDetectionViewController jailbreakTest1Tapped:]

When 'Jailbreak Test 1' gets tapped, the following swift function is called:

_T07DVIA_v232JailbreakDetectionViewControllerC20jailbreakTest1TappedyypF

```
estlTapped:]: // -[DVIA_v2.JailbreakDetectionViewController jailbre;
; Objective C Implementation defined at 0x1003f8b18 (instance method), DAT/

        sub
        sp, sp, #0x60

        stp
        x20, x19, [sp, #0x40]

        stp
        fp, lr, [sp, #0x50]

        add
        fp, sp, #0x50

        str
        x0, [sp, #0x50 + var_38]

0000000100192cb0
0000000100192cb4
                                                     x0, x2

x1, [sp, #0x50 + var_40]

x2, [sp, #0x50 + var_48]

x2, [sp, #0x50 + var_48]

x3, [sp, #0x50 + var_38]
0000000100192cc4
0000000100192cc8
0000000100192ccc
                                      str
bl
0000000100192cd0
                                                     imp__stubs__swi+t_unknownketain
x0, [sp, #0x50 + var_38]
imp__stubs__objc_retain
x8, sp, #0x20
x1, [sp, #0x50 + var_48]
x0, [sp, #0x50 + var_50]
0000000100192cd4
                                      ldr
0000000100192ce4
0000000100192ce8
                                       mov
                                      ы
0000000100192cec
                                      add x0, sp, #0x20 ; argument #1 for method __T07DVIA_v232JailbreakDetectionViewControllerC2(
ldr x20, [sp, #0x50 + var_38]
0000000100192cf0
                              x0, [sp, #0x30 * var_so,
imp__stubs_objc_release
fp, lr, [sp, #0x50]
x20, x19, [sp, #0x40]
                                bl
ldp
ldp
0000000100192d00
0000000100192d04
0000000100192d08
                                      add
                                                       sp, sp, #0x60
0000000100192d0c
 000000100192d10
```

Disassembly of the swift function:

```
__T07DVIA_v232JailbreakDetectionViewControllerC20jailbreakTest1TappedyypF: // DVIA_v2.JailbreakDetectionViewController.j
9000000100192c10
                                    sp, sp, #0x60
                                    x20, x19, [sp, #0x40]
fp, lr, [sp, #0x50]
0000000100192c18
                         stur
                         stur
                         adrp
                         ldr
0000000100192c50
                                    x0, [sp, #0x50 + var_38]
                                    x8, [sp, #0x50 + var_28]
                                    w0, [sp, #0x50 + var_44]
                         mov
                                    x8, [sp, #0x50 + var_28]
0000000100192c78
                         ldr
                                    w10, [sp, #0x50 + var_44]
w11, w10, #0x1
                         ldr
                         and
                         str
                                     x0, [sp, \#0x50 + var_50]
                         mov
0000000100192c8c
                                    x1, x8
                         mov
0000000100192c90
                         ldr
0000000100192c94
                         blr
                         ldr
0000000100192c9c
                         ы
                                     fp, lr, [sp, #0x50]
0000000100192ca0
                         ldp
 000000100192ca4
                                     x20, x19, [sp, #0x40]
```

Bypassing the said mechanism using objection:

```
...highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # ios jailbreak disable
(agent) Registering job 588681. Type: ios-jailbreak-disable
...highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # (agent) [888681] fileExistsAtPath: check for /Applications/Cydia.app was successful with: 0x1, marking it as failed.
(agent) [588681] fileExistsAtPath: check for /bin/bash was successful with: 0x1, marking it as failed.
(agent) [588681] fileExistsAtPath: check for /usr/sbin/sshd was successful with: 0x1, marking it as failed.
(agent) [588681] fileExistsAtPath: check for /etc/apt was successful with: 0x1, marking it as failed.
(agent) [588681] canOpenURL: check for cydia://package/com.example.package was successful with: 0x1, marking it as failed.
```

Results:

