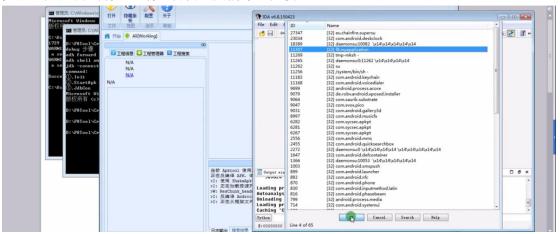
1. Odex 转 dex

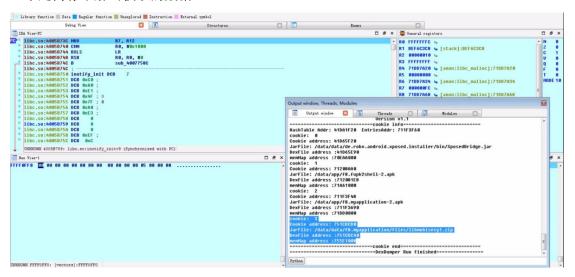
参考 Android 源代码,完成逆转换

2. Demo 演示 (阿里壳)

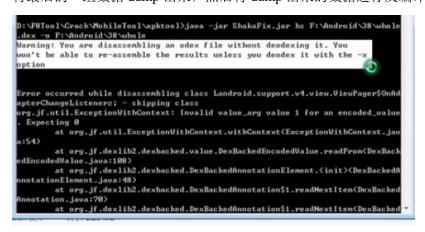
安装、开启调试端口、端口转发、反编译、挂接

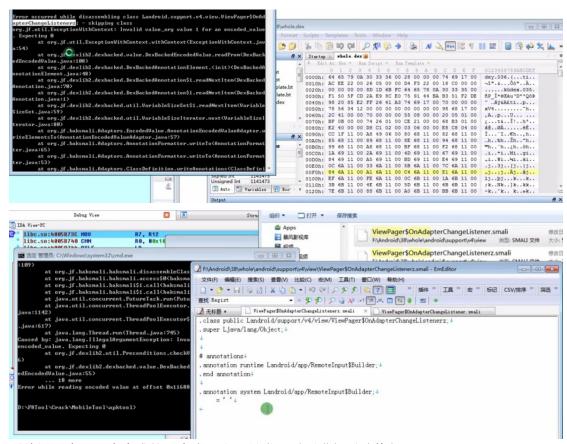


运行脚本,识别出了 4 个 dex 数据,前两个为自行输入的,第三个是壳的入口点,最后一个是内存中解码获取的数据

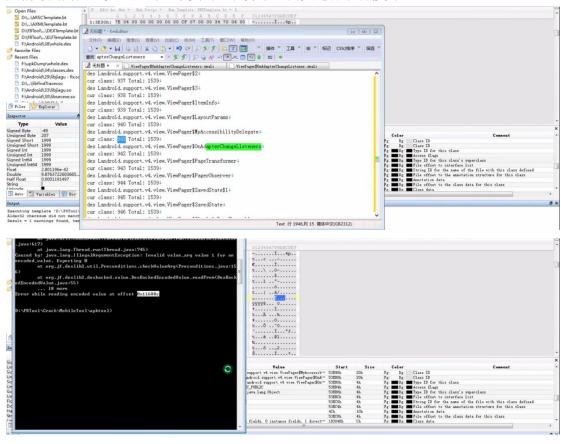


将最后的一组数据 dump 出来,然后将 dump 出来的数据进行反编译

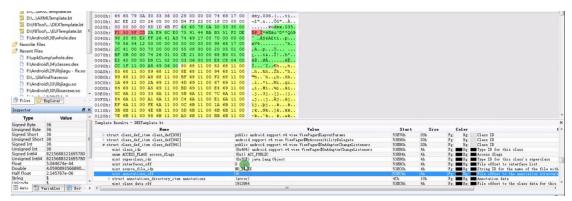




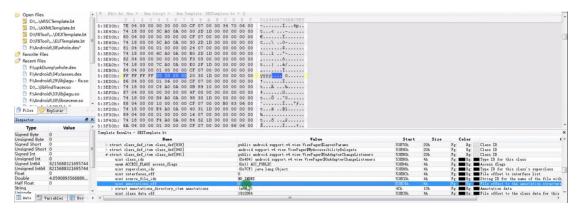
反编译因为阿里壳生成的一个类而出现异常,需要进行手动修复



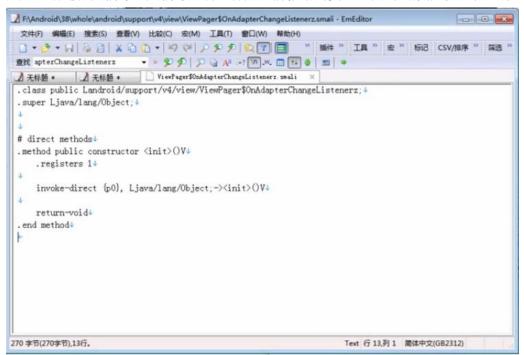
这个错误是由于解析位于该地址的内存数据时出现异常,这部分数据不正确



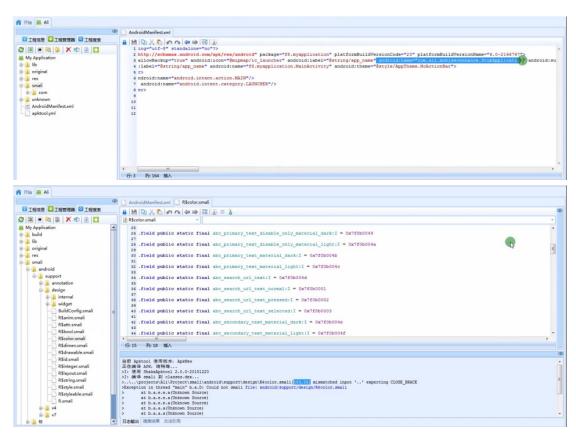
发现了阿里填充的非法数据,将其改为0



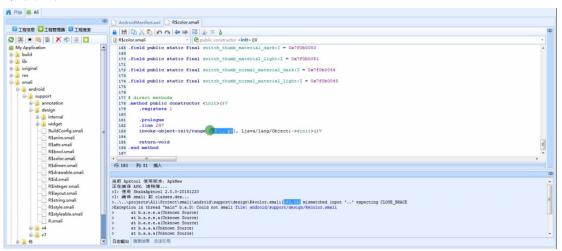
然后重新进行反编译, 反编译成功, 打开之前报错的类, 里面的函数能够正常识别



将反编译后的 smali 代码替换原代码,删掉 android:name 后重新编译

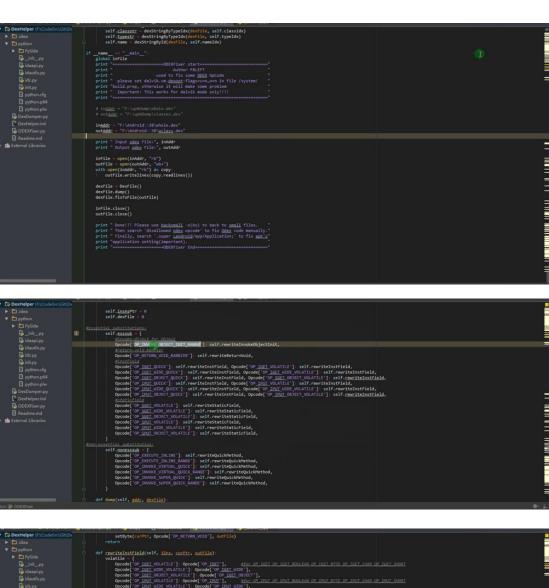


编译出错,根据错误提示定位到出错代码,发现错误是由于优化后的代码不能够正常编译导致的。



需要对优化后的 Odex 进行修复

Odex 修复脚本



```
v C D Contribute (SCCONGER-COMIND)

> idea

sethyte(corbt*, Opcode("O"_SITINGN_VOID"), contrib)

sethyte(corbt*, Opcode("O"_SITINGN_VOID"), contrib)

sethyte(corbt*, Opcode("O"_SITINGN_VOID"), contrib)

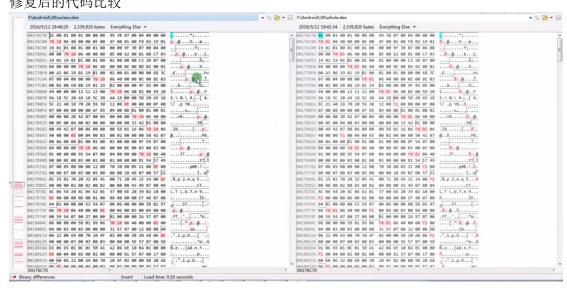
python

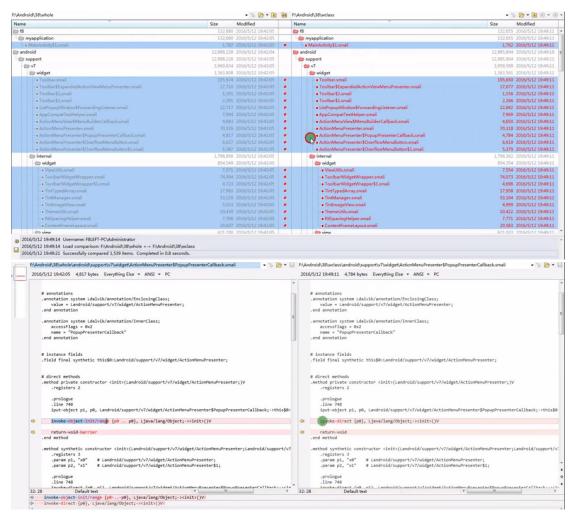
| injudy
| ideapley
```

```
self.padding = 0
self.tries = []
self.handler = Non
```

```
igp = volatile.get(volatileope = wwir)
hitspp_im_lines
fieldIdx = self.insns[i5ns + 1]
instfield = DexFieldId()
instfield dump(dexGetFieldId(dexFile, fieldIdx), dexFile)
```

修复后的代码比较





对修复后的 smali 代码进行编译,编译成功,查看 smali 代码发现已经完成了修复

