

## ■ Code Analysis Results

- scanned files: 125
- total findings: 1082
- input\api\_redirection.py : 7 findings
- input\controlFlow.py : 8 findings
- input\controlflow\_flattening.py : 9 findings
- input\deadCode.py : 20 findings
- input\dynamic\_loading.py : 6 findings
- input\inlineExpansion.py : 17 findings
- input\instruction\_substitution.py : 13 findings
- input\junkcode.py : 18 findings
- input\mixed\_language.py : 5 findings
- input\nameIdentifier.py : 11 findings
- input\opaque\_predicate.py : 28 findings
- input\stringEncryption.py : 5 findings
- input\sources\00\00000000.java : 44 findings
- input\sources\01\00000001.java : 35 findings
- input\sources\02\00000002.java : 15 findings
- input\sources\03\00000003.java : 6 findings
- input\sources\04\00000004.java : 40 findings
- input\sources\05\00000005.java : 16 findings
- input\sources\06\00000006.java : 14 findings
- input\sources\07\00000007.java : 7 findings
- input\sources\08\00000008.java : 13 findings
- input\sources\09\00000009.java : 4 findings
- input\sources\0a\0000000a.java : 43 findings
- input\sources\0b\0000000b.java : 4 findings
- input\sources\0c\0000000c.java : 7 findings
- input\sources\0d\0000000d.java : 4 findings
- input\sources\0e\0000000e.java : 4 findings
- input\sources\0f\0000000f.java : 3 findings
- input\sources\10\00000010.java : 3 findings
- input\sources\11\00000011.java : 4 findings

- input\sources\12\00000012.java : 4 findings
- input\sources\13\00000013.java : 5 findings
- input\sources\14\00000014.java : 5 findings
- input\sources\15\00000015.java : 3 findings
- input\sources\16\00000016.java : 5 findings
- input\sources\17\00000017.java : 5 findings
- input\sources\18\00000018.java : 4 findings
- input\sources\19\00000019.java : 19 findings
- input\sources\1a\0000001a.java : 4 findings
- input\sources\1b\0000001b.java : 3 findings

## ===== String Encryption =====

input\controlFlow.py: [0] -> \* (XOR-encrypted string detected and decrypted)

input\controlFlow.py: [0] -> \* (XOR-encrypted string detected and decrypted)

input\deadCode.py: [0] -> \* (XOR-encrypted string detected and decrypted)

input\deadCode.py: [0] -> \* (XOR-encrypted string detected and decrypted)

input\nameIdentifier.py: {1,3} -> +) (XOR-encrypted string detected and decrypted)

input\opaque\_predicate.py: [4, 5] -> ./ (XOR-encrypted string detected and decrypted)

input\opaque\_predicate.py: [0] -> \* (XOR-encrypted string detected and decrypted)

input\opaque\_predicate.py: [0] -> \* (XOR-encrypted string detected and decrypted)

## ===== Identifier Cleaner =====

input\controlFlow.py: Error - invalid syntax. Perhaps you forgot a comma? (<unknown>, line 46)

input\deadCode.py: Error - invalid syntax. Perhaps you forgot a comma? (<unknown>, line 153)

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\junkcode.py: m1 -> var1 (Obfuscated identifier replaced (m1 -> var1))

input\junkcode.py: m2 -> var2 (Obfuscated identifier replaced (m2 -> var2))

input\namelIdentifier.py: Error - unmatched ')' (<unknown>, line 50)

input\opaque\_predicate.py: Error - invalid syntax (<unknown>, line 100)

input\sources\00\00000000.java: C0 -> Class1 (Obfuscated identifier replaced (C0 -> Class1))

input\sources\00\00000000.java: C0038a -> Class2 (Obfuscated identifier replaced (C0038a -> Class2))

input\sources\00\00000000.java: f1215e -> func4 (Obfuscated identifier replaced (f1215e -> func4))

input\sources\00\00000000.java: C0038a -> Class2 (Obfuscated identifier replaced (C0038a -> Class2))

input\sources\00\00000000.java: f1216f -> func6 (Obfuscated identifier replaced (f1216f -> func6))

input\sources\00\00000000.java: f1217a -> func7 (Obfuscated identifier replaced (f1217a -> func7))

input\sources\00\00000000.java: f1218b -> func2 (Obfuscated identifier replaced (f1218b -> func2))

input\sources\00\00000000.java: f1219c -> func8 (Obfuscated identifier replaced (f1219c -> func8))

input\sources\00\00000000.java: f1220d -> func3 (Obfuscated identifier replaced (f1220d -> func3))

input\sources\00\00000000.java: C0 -> Class1 (Obfuscated identifier replaced (C0 -> Class1))

input\sources\00\00000000.java: C0038a -> Class2 (Obfuscated identifier replaced (C0038a -> Class2))

input\sources\00\00000000.java: C0038a -> Class2 (Obfuscated identifier replaced (C0038a -> Class2))

input\sources\00\00000000.java: f1216f -> func6 (Obfuscated identifier replaced (f1216f -> func6))

input\sources\00\00000000.java: f1216f -> func6 (Obfuscated identifier replaced (f1216f -> func6))

[illegible]

[illegible]

input\sources\04\00000004.java: f229b -> func8 (Obfuscated identifier replaced (f229b -> func8))  
input\sources\04\00000004.java: f230c -> func3 (Obfuscated identifier replaced (f230c -> func3))  
input\sources\04\00000004.java: f231d -> func1 (Obfuscated identifier replaced (f231d -> func1))  
input\sources\04\00000004.java: f232e -> func7 (Obfuscated identifier replaced (f232e -> func7))  
input\sources\04\00000004.java: f233f -> func2 (Obfuscated identifier replaced (f233f -> func2))  
input\sources\04\00000004.java: f234m -> func4 (Obfuscated identifier replaced (f234m -> func4))  
input\sources\04\00000004.java: j9 -> func6 (Obfuscated identifier replaced (j9 -> func6))  
input\sources\04\00000004.java: j9 -> func6 (Obfuscated identifier replaced (j9 -> func6))  
input\sources\04\00000004.java: f235a -> func5 (Obfuscated identifier replaced (f235a -> func5))  
input\sources\04\00000004.java: f232e -> func7 (Obfuscated identifier replaced (f232e -> func7))  
input\sources\04\00000004.java: f235a -> func5 (Obfuscated identifier replaced (f235a -> func5))  
input\sources\04\00000004.java: i9 -> func9 (Obfuscated identifier replaced (i9 -> func9))  
input\sources\04\00000004.java: j9 -> func6 (Obfuscated identifier replaced (j9 -> func6))  
input\sources\04\00000004.java: i9 -> func9 (Obfuscated identifier replaced (i9 -> func9))  
input\sources\04\00000004.java: j9 -> func6 (Obfuscated identifier replaced (j9 -> func6))  
input\sources\05\00000005.java: A5 -> Class1 (Obfuscated identifier replaced (A5 -> Class1))  
input\sources\05\00000005.java: f213a -> func3 (Obfuscated identifier replaced (f213a -> func3))  
input\sources\05\00000005.java: f214b -> func2 (Obfuscated identifier replaced (f214b -> func2))  
input\sources\05\00000005.java: f215c -> func1 (Obfuscated identifier replaced (f215c -> func1))  
input\sources\05\00000005.java: f214b -> func2 (Obfuscated identifier replaced (f214b -> func2))  
input\sources\05\00000005.java: f215c -> func1 (Obfuscated identifier replaced (f215c -> func1))  
input\sources\05\00000005.java: f214b -> func2 (Obfuscated identifier replaced (f214b -> func2))  
input\sources\05\00000005.java: A5 -> Class1 (Obfuscated identifier replaced (A5 -> Class1))  
input\sources\05\00000005.java: f213a -> func3 (Obfuscated identifier replaced (f213a -> func3))  
input\sources\05\00000005.java: f215c -> func1 (Obfuscated identifier replaced (f215c -> func1))  
input\sources\09\00000009.java: D6 -> Class1 (Obfuscated identifier replaced (D6 -> Class1))  
input\sources\09\00000009.java: v0 -> func1 (Obfuscated identifier replaced (v0 -> func1))  
input\sources\0b\0000000b.java: D6 -> Class1 (Obfuscated identifier replaced (D6 -> Class1))  
input\sources\0b\0000000b.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\0d\0000000d.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\0d\0000000d.java: r0 -> func1 (Obfuscated identifier replaced (r0 -> func1))  
input\sources\0e\0000000e.java: E6 -> Class2 (Obfuscated identifier replaced (E6 -> Class2))  
input\sources\0e\0000000e.java: N0 -> Class1 (Obfuscated identifier replaced (N0 -> Class1))  
input\sources\0f\0000000f.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\10\00000010.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))

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input\sources\19\00000019.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\1a\0000001a.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\1a\0000001a.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\1b\0000001b.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\1c\0000001c.java: A5 -> Class1 (Obfuscated identifier replaced (A5 -> Class1))  
input\sources\1c\0000001c.java: f202a -> func1 (Obfuscated identifier replaced (f202a -> func1))  
input\sources\1c\0000001c.java: f202a -> func1 (Obfuscated identifier replaced (f202a -> func1))  
input\sources\1c\0000001c.java: f202a -> func1 (Obfuscated identifier replaced (f202a -> func1))  
input\sources\1d\0000001d.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\1d\0000001d.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\1e\0000001e.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\1e\0000001e.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\1f\0000001f.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\1f\0000001f.java: a0 -> func2 (Obfuscated identifier replaced (a0 -> func2))  
input\sources\1f\0000001f.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\20\00000020.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\21\00000021.java: E6 -> Class2 (Obfuscated identifier replaced (E6 -> Class2))  
input\sources\21\00000021.java: H0 -> Class1 (Obfuscated identifier replaced (H0 -> Class1))  
input\sources\21\00000021.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\21\00000021.java: i0 -> func1 (Obfuscated identifier replaced (i0 -> func1))  
input\sources\21\00000021.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\22\00000022.java: E6 -> Class2 (Obfuscated identifier replaced (E6 -> Class2))  
input\sources\22\00000022.java: K0 -> Class1 (Obfuscated identifier replaced (K0 -> Class1))  
input\sources\22\00000022.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\23\00000023.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\23\00000023.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\23\00000023.java: i10 -> func1 (Obfuscated identifier replaced (i10 -> func1))  
input\sources\24\00000024.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\25\00000025.java: f9 -> func4 (Obfuscated identifier replaced (f9 -> func4))  
input\sources\25\00000025.java: f10 -> func9 (Obfuscated identifier replaced (f10 -> func9))  
input\sources\25\00000025.java: f11 -> func1 (Obfuscated identifier replaced (f11 -> func1))  
input\sources\25\00000025.java: f9 -> func4 (Obfuscated identifier replaced (f9 -> func4))  
input\sources\25\00000025.java: f10 -> func9 (Obfuscated identifier replaced (f10 -> func9))  
input\sources\25\00000025.java: f10 -> func9 (Obfuscated identifier replaced (f10 -> func9))  
input\sources\25\00000025.java: f9 -> func4 (Obfuscated identifier replaced (f9 -> func4))

input\sources\25\00000025.java: f11 -> func1 (Obfuscated identifier replaced (f11 -> func1))  
input\sources\25\00000025.java: f11 -> func1 (Obfuscated identifier replaced (f11 -> func1))  
input\sources\25\00000025.java: f9 -> func4 (Obfuscated identifier replaced (f9 -> func4))  
input\sources\25\00000025.java: i9 -> func8 (Obfuscated identifier replaced (i9 -> func8))  
input\sources\25\00000025.java: i10 -> func2 (Obfuscated identifier replaced (i10 -> func2))  
input\sources\25\00000025.java: i11 -> func6 (Obfuscated identifier replaced (i11 -> func6))  
input\sources\25\00000025.java: i9 -> func8 (Obfuscated identifier replaced (i9 -> func8))  
input\sources\25\00000025.java: i10 -> func2 (Obfuscated identifier replaced (i10 -> func2))  
input\sources\25\00000025.java: i10 -> func2 (Obfuscated identifier replaced (i10 -> func2))  
input\sources\25\00000025.java: i9 -> func8 (Obfuscated identifier replaced (i9 -> func8))  
input\sources\25\00000025.java: i11 -> func6 (Obfuscated identifier replaced (i11 -> func6))  
input\sources\25\00000025.java: i11 -> func6 (Obfuscated identifier replaced (i11 -> func6))  
input\sources\25\00000025.java: i9 -> func8 (Obfuscated identifier replaced (i9 -> func8))  
input\sources\25\00000025.java: j9 -> func7 (Obfuscated identifier replaced (j9 -> func7))  
input\sources\25\00000025.java: j10 -> func3 (Obfuscated identifier replaced (j10 -> func3))  
input\sources\25\00000025.java: j11 -> func5 (Obfuscated identifier replaced (j11 -> func5))  
input\sources\25\00000025.java: j9 -> func7 (Obfuscated identifier replaced (j9 -> func7))  
input\sources\25\00000025.java: j10 -> func3 (Obfuscated identifier replaced (j10 -> func3))  
input\sources\25\00000025.java: j10 -> func3 (Obfuscated identifier replaced (j10 -> func3))  
input\sources\25\00000025.java: j9 -> func7 (Obfuscated identifier replaced (j9 -> func7))  
input\sources\25\00000025.java: j11 -> func5 (Obfuscated identifier replaced (j11 -> func5))  
input\sources\25\00000025.java: j11 -> func5 (Obfuscated identifier replaced (j11 -> func5))  
input\sources\25\00000025.java: j9 -> func7 (Obfuscated identifier replaced (j9 -> func7))  
input\sources\26\00000026.java: A5 -> Class1 (Obfuscated identifier replaced (A5 -> Class1))  
input\sources\26\00000026.java: f210a -> func1 (Obfuscated identifier replaced (f210a -> func1))  
input\sources\26\00000026.java: f210a -> func1 (Obfuscated identifier replaced (f210a -> func1))  
input\sources\26\00000026.java: f210a -> func1 (Obfuscated identifier replaced (f210a -> func1))  
input\sources\28\00000028.java: F0 -> Class1 (Obfuscated identifier replaced (F0 -> Class1))  
input\sources\29\00000029.java: F1 -> Class1 (Obfuscated identifier replaced (F1 -> Class1))  
input\sources\29\00000029.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\29\00000029.java: i10 -> func1 (Obfuscated identifier replaced (i10 -> func1))  
input\sources\2a\0000002a.java: f1212g -> func2 (Obfuscated identifier replaced (f1212g -> func2))  
input\sources\2a\0000002a.java: C0037a -> Class1 (Obfuscated identifier replaced (C0037a -> Class1))  
input\sources\2a\0000002a.java: f1213a -> func1 (Obfuscated identifier replaced (f1213a -> func1))

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input\sources\4b\0000004b.java: E3 -> Class1 (Obfuscated identifier replaced (E3 -> Class1))  
input\sources\4c\0000004c.java: B6 -> Class1 (Obfuscated identifier replaced (B6 -> Class1))  
input\sources\4d\0000004d.java: E4 -> Class1 (Obfuscated identifier replaced (E4 -> Class1))  
input\sources\4f\0000004f.java: B6 -> Class1 (Obfuscated identifier replaced (B6 -> Class1))  
input\sources\50\00000050.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\50\00000050.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\51\00000051.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\51\00000051.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\52\00000052.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\52\00000052.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\52\00000052.java: C0 -> Class2 (Obfuscated identifier replaced (C0 -> Class2))  
input\sources\52\00000052.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\53\00000053.java: B6 -> Class1 (Obfuscated identifier replaced (B6 -> Class1))  
input\sources\54\00000054.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\54\00000054.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\54\00000054.java: f0 -> func1 (Obfuscated identifier replaced (f0 -> func1))  
input\sources\54\00000054.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\55\00000055.java: A0 -> Class1 (Obfuscated identifier replaced (A0 -> Class1))  
input\sources\55\00000055.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\55\00000055.java: j9 -> func3 (Obfuscated identifier replaced (j9 -> func3))  
input\sources\55\00000055.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\55\00000055.java: c0 -> func2 (Obfuscated identifier replaced (c0 -> func2))  
input\sources\55\00000055.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\55\00000055.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\55\00000055.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\55\00000055.java: d9 -> func1 (Obfuscated identifier replaced (d9 -> func1))  
input\sources\56\00000056.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\56\00000056.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\56\00000056.java: c0 -> func1 (Obfuscated identifier replaced (c0 -> func1))  
input\sources\56\00000056.java: i9 -> func2 (Obfuscated identifier replaced (i9 -> func2))  
input\sources\57\00000057.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\57\00000057.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\57\00000057.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\58\00000058.java: C3 -> Class1 (Obfuscated identifier replaced (C3 -> Class1))  
input\sources\58\00000058.java: C3 -> Class1 (Obfuscated identifier replaced (C3 -> Class1))

input\sources\58\00000058.java: f9 -> func2 (Obfuscated identifier replaced (f9 -> func2))  
input\sources\58\00000058.java: f10 -> func5 (Obfuscated identifier replaced (f10 -> func5))  
input\sources\58\00000058.java: f11 -> func1 (Obfuscated identifier replaced (f11 -> func1))  
input\sources\58\00000058.java: f12 -> func3 (Obfuscated identifier replaced (f12 -> func3))  
input\sources\58\00000058.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\58\00000058.java: f9 -> func2 (Obfuscated identifier replaced (f9 -> func2))  
input\sources\58\00000058.java: f10 -> func5 (Obfuscated identifier replaced (f10 -> func5))  
input\sources\58\00000058.java: f11 -> func1 (Obfuscated identifier replaced (f11 -> func1))  
input\sources\58\00000058.java: f12 -> func3 (Obfuscated identifier replaced (f12 -> func3))  
input\sources\58\00000058.java: i9 -> func4 (Obfuscated identifier replaced (i9 -> func4))  
input\sources\59\00000059.java: A2 -> Class1 (Obfuscated identifier replaced (A2 -> Class1))  
input\sources\5a\0000005a.java: E6 -> Class1 (Obfuscated identifier replaced (E6 -> Class1))  
input\sources\5a\0000005a.java: i9 -> func1 (Obfuscated identifier replaced (i9 -> func1))  
input\sources\5c\0000005c.java: B6 -> Class1 (Obfuscated identifier replaced (B6 -> Class1))  
input\sources\5d\0000005d.java: F4 -> Class1 (Obfuscated identifier replaced (F4 -> Class1))  
input\sources\5d\0000005d.java: f1562a -> func1 (Obfuscated identifier replaced (f1562a -> func1))  
input\sources\5e\0000005e.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\5e\0000005e.java: f2187a -> func3 (Obfuscated identifier replaced (f2187a -> func3))  
input\sources\5e\0000005e.java: C0065b -> Class2 (Obfuscated identifier replaced (C0065b -> Class2))  
input\sources\5e\0000005e.java: f2188b -> func2 (Obfuscated identifier replaced (f2188b -> func2))  
input\sources\5e\0000005e.java: C0065b -> Class2 (Obfuscated identifier replaced (C0065b -> Class2))  
input\sources\5e\0000005e.java: f2189a -> func1 (Obfuscated identifier replaced (f2189a -> func1))  
input\sources\5e\0000005e.java: f2189a -> func1 (Obfuscated identifier replaced (f2189a -> func1))  
input\sources\5e\0000005e.java: f2189a -> func1 (Obfuscated identifier replaced (f2189a -> func1))  
input\sources\5e\0000005e.java: f2189a -> func1 (Obfuscated identifier replaced (f2189a -> func1))  
input\sources\5e\0000005e.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\5e\0000005e.java: C0065b -> Class2 (Obfuscated identifier replaced (C0065b -> Class2))  
input\sources\5e\0000005e.java: C0065b -> Class2 (Obfuscated identifier replaced (C0065b -> Class2))  
input\sources\5f\0000005f.java: H4 -> Class1 (Obfuscated identifier replaced (H4 -> Class1))  
input\sources\5f\0000005f.java: f1843a -> func3 (Obfuscated identifier replaced (f1843a -> func3))  
input\sources\5f\0000005f.java: f1843a -> func3 (Obfuscated identifier replaced (f1843a -> func3))  
input\sources\5f\0000005f.java: a9 -> func2 (Obfuscated identifier replaced (a9 -> func2))  
input\sources\5f\0000005f.java: a10 -> func1 (Obfuscated identifier replaced (a10 -> func1))

input\sources\5f\0000005f.java: a9 -> func2 (Obfuscated identifier replaced (a9 -> func2))  
input\sources\5f\0000005f.java: a10 -> func1 (Obfuscated identifier replaced (a10 -> func1))  
input\sources\60\00000060.java: C5 -> Class1 (Obfuscated identifier replaced (C5 -> Class1))  
input\sources\61\00000061.java: F4 -> Class1 (Obfuscated identifier replaced (F4 -> Class1))  
input\sources\62\00000062.java: F6 -> Class1 (Obfuscated identifier replaced (F6 -> Class1))  
input\sources\64\00000064.java: A3 -> Class1 (Obfuscated identifier replaced (A3 -> Class1))  
input\sources\65\00000065.java: A3 -> Class1 (Obfuscated identifier replaced (A3 -> Class1))  
input\sources\66\00000066.java: G0 -> Class1 (Obfuscated identifier replaced (G0 -> Class1))  
input\sources\68\00000068.java: G1 -> Class1 (Obfuscated identifier replaced (G1 -> Class1))  
input\sources\68\00000068.java: r8 -> func1 (Obfuscated identifier replaced (r8 -> func1))  
input\sources\6b\0000006b.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\6b\0000006b.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\6c\0000006c.java: A4 -> Class1 (Obfuscated identifier replaced (A4 -> Class1))  
input\sources\6c\0000006c.java: f193a -> func1 (Obfuscated identifier replaced (f193a -> func1))  
input\sources\6c\0000006c.java: f194b -> func2 (Obfuscated identifier replaced (f194b -> func2))  
input\sources\6c\0000006c.java: i9 -> func3 (Obfuscated identifier replaced (i9 -> func3))  
input\sources\6c\0000006c.java: f193a -> func1 (Obfuscated identifier replaced (f193a -> func1))  
input\sources\6c\0000006c.java: i9 -> func3 (Obfuscated identifier replaced (i9 -> func3))  
input\sources\6c\0000006c.java: f194b -> func2 (Obfuscated identifier replaced (f194b -> func2))  
input\sources\6c\0000006c.java: f194b -> func2 (Obfuscated identifier replaced (f194b -> func2))  
input\sources\6c\0000006c.java: f193a -> func1 (Obfuscated identifier replaced (f193a -> func1))  
input\sources\6d\0000006d.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\6d\0000006d.java: z8 -> func1 (Obfuscated identifier replaced (z8 -> func1))  
input\sources\6d\0000006d.java: z8 -> func1 (Obfuscated identifier replaced (z8 -> func1))  
input\sources\6e\0000006e.java: l0 -> Class1 (Obfuscated identifier replaced (l0 -> Class1))  
input\sources\6f\0000006f.java: G7 -> Class1 (Obfuscated identifier replaced (G7 -> Class1))  
input\sources\6f\0000006f.java: i9 -> func6 (Obfuscated identifier replaced (i9 -> func6))  
input\sources\6f\0000006f.java: i10 -> func1 (Obfuscated identifier replaced (i10 -> func1))  
input\sources\6f\0000006f.java: i11 -> func4 (Obfuscated identifier replaced (i11 -> func4))  
input\sources\6f\0000006f.java: i9 -> func6 (Obfuscated identifier replaced (i9 -> func6))  
input\sources\6f\0000006f.java: i11 -> func4 (Obfuscated identifier replaced (i11 -> func4))  
input\sources\6f\0000006f.java: i10 -> func1 (Obfuscated identifier replaced (i10 -> func1))  
input\sources\6f\0000006f.java: i11 -> func4 (Obfuscated identifier replaced (i11 -> func4))  
input\sources\6f\0000006f.java: i11 -> func4 (Obfuscated identifier replaced (i11 -> func4))  
input\sources\6f\0000006f.java: j9 -> func5 (Obfuscated identifier replaced (j9 -> func5))

[illegible]



[illegible]

input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: f219a -> func1 (Obfuscated identifier replaced (f219a -> func1))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: f219a -> func1 (Obfuscated identifier replaced (f219a -> func1))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))  
input\sources\71\00000071.java: f219a -> func1 (Obfuscated identifier replaced (f219a -> func1))  
input\sources\71\00000071.java: t8 -> func2 (Obfuscated identifier replaced (t8 -> func2))

## ===== Control Flow =====

-> (Unreachable branch (condition always False))

- replace `if True: body` with `body` (in-place)

- record lines removed

-> (Unreachable branch (condition always False))

-> print("Always runs")

-> print("Run")

input\deadCode.py: if(false) { ... } ` blocks -> (Unreachable branch (condition always false))

input\deadCode.py: if(false) { ... } or if(false) statement; -> (Unreachable branch (condition always false))

input\deadCode.py: if(false) removed (dead code)") -> (Unreachable branch (condition always false))

input\deadCode.py: if(true) { ... } ` with block contents (strip braces) -> { ... } ` with block contents (strip braces) (Always-true condition simplified (kept statement/block, removed condition header))

input\deadCode.py: if(true) { block } => replace with block contents -> { block } => replace with block contents (Always-true condition simplified (kept statement/block, removed condition header))

input\deadCode.py: if(true) inlined (kept body)") -> inlined (kept body)") (Always-true condition simplified (kept statement/block, removed condition header))

## ===== Dead Code =====

- tiny wrappers that call another function and do nothing else -> """

- tiny wrappers that call another function and do nothing else

- multiple-level wrappers

" -> # ----- controlflow.py -----

Cons -> """

-> """# Dead Code Test Cases

- Python: eval, exec, compile, importlib, getattr -> """

- Python: eval, exec, compile, importlib, getattr/locals tricks

- C/C++: functi (Full cleaned file (Python deadcode removal))

# 2. Constant addition insid -> """# Inline Expansion Complex Test Cases with Loops

- x - (-1) -> x + 1

- x << 1 -> x \* 2

- x + x -> """

- x - (-1) -> x + 1

- x << 1 -> x \* 2

- x + x -> 2 \* x (or x \* 2)

- bitwise trick (Full cleaned file (Python deadcode removal))

Detect/remove junk code: NOPs, identity operations, redundant arithmetic, dead stores used only for obfuscation -> """

- inline assembly or ASM blocks inside C/C++

- pre -> """

- inline assembly or ASM blocks inside C/C++

- presence of JNI-like bridging cod (Full cleaned file (Python deadcode removal))

# -> import re

if (2 + 2 == 4) and (3 > -> # Opaque Predicate Complex Test Cases

-> import re

impo -> package Class1;

import java.util.concurrent.TimeUnit -> package Class1;

input\sources\02\00000002.java: int alpha = 2130968625; -> (Removed likely-unused declaration 'alpha')

input\sources\02\00000002.java: int coordinatorLayoutStyle = 2130968949; -> (Removed likely-unused declaration 'coordinatorLayoutStyle')

input\sources\02\00000002.java: int font = 2130969131; -> (Removed likely-unused declaration 'font')

input\sources\02\00000002.java: int fontProviderCerts = 2130969134; -> (Removed likely-unused declaration 'fontProviderCerts')

input\sources\02\00000002.java: int fontProviderFetchTimeout = 2130969136; -> (Removed likely-unused declaration 'fontProviderFetchTimeout')

input\sources\02\00000002.java: int fontProviderPackage = 2130969137; -> (Removed likely-unused declaration 'fontProviderPackage')

input\sources\02\00000002.java: int fontStyle = 2130969140; -> (Removed likely-unused declaration 'fontStyle')

input\sources\02\00000002.java: int fontWeight = 2130969143; -> (Removed likely-unused declaration 'fontWeight')

input\sources\02\00000002.java: int keylines = 2130969241; -> (Removed likely-unused declaration 'keylines')

input\sources\02\00000002.java: int layout\_anchorGravity = 2130969258; -> (Removed likely-unused declaration 'layout\_anchorGravity')

input\sources\02\00000002.java: int layout\_insetEdge = 2130969318; -> (Removed likely-unused declaration 'layout\_insetEdge')

input\sources\02\00000002.java: int layout\_keyline = 2130969319; -> (Removed likely-unused declaration 'layout\_keyline')

input\sources\02\00000002.java: int ttclIndex = 2130969964; -> (Removed likely-unused declaration 'ttclIndex')

public static final in -> package A;

input\sources\03\00000003.java: int androidx\_core\_ripple\_material\_light = 2131099691; -> (Removed likely-unused declaration 'androidx\_core\_ripple\_material\_light')

input\sources\03\00000003.java: int androidx\_core\_secondary\_text\_default\_material\_light = 2131099692; -> (Removed likely-unused declaration 'androidx\_core\_secondary\_text\_default\_material\_light')

input\sources\03\00000003.java: int call\_notification\_decline\_color = 2131099770; -> (Removed likely-unused declaration 'call\_notification\_decline\_color')

input\sources\03\00000003.java: int notification\_action\_color\_filter = 2131100707; -> (Removed likely-unused declaration 'notification\_action\_color\_filter')

public static final int androidx\_core\_ripple\_material\_light = 21310996 -> package B;

public abstract clas -> package Class1;

impor -> package Class1;

input\sources\06\00000006.java: int compat\_button\_inset\_horizontal\_material = 2131165324; -> (Removed likely-unused declaration 'compat\_button\_inset\_horizontal\_material')

input\sources\06\00000006.java: int compat\_button\_inset\_vertical\_material = 2131165325; -> (Removed likely-unused declaration 'compat\_button\_inset\_vertical\_material')

input\sources\06\00000006.java: int compat\_button\_padding\_vertical\_material = 2131165327; -> (Removed likely-unused declaration 'compat\_button\_padding\_vertical\_material')

input\sources\06\00000006.java: int compat\_notification\_large\_icon\_max\_width = 2131165330; -> (Removed likely-unused declaration 'compat\_notification\_large\_icon\_max\_width')

input\sources\06\00000006.java: int notification\_action\_icon\_size = 2131166125; -> (Removed likely-unused declaration 'notification\_action\_icon\_size')

input\sources\06\00000006.java: int notification\_big\_circle\_margin = 2131166127; -> (Removed likely-unused declaration 'notification\_big\_circle\_margin')

input\sources\06\00000006.java: int notification\_large\_icon\_height = 2131166129; -> (Removed likely-unused declaration 'notification\_large\_icon\_height')

input\sources\06\00000006.java: int notification\_large\_icon\_width = 2131166130; -> (Removed likely-unused declaration 'notification\_large\_icon\_width')

input\sources\06\00000006.java: int notification\_media\_narrow\_margin = 2131166132; -> (Removed likely-unused declaration 'notification\_media\_narrow\_margin')

input\sources\06\00000006.java: int notification\_right\_side\_padding\_top = 2131166134; -> (Removed likely-unused declaration 'notification\_right\_side\_padding\_top')

input\sources\06\00000006.java: int notification\_small\_icon\_size\_as\_large = 2131166136; -> (Removed likely-unused declaration 'notification\_small\_icon\_size\_as\_large')

input\sources\06\00000006.java: int notification\_top\_pad\_large\_text = 2131166139; -> (Removed likely-unused declaration 'notification\_top\_pad\_large\_text')

public static final int compat\_button\_inset\_horizontal\_material = 2131 -> package B;

input\sources\07\00000007.java: int TextAppearance\_Compat\_Notification = 2132017659; -> (Removed likely-unused declaration 'TextAppearance\_Compat\_Notification')

input\sources\07\00000007.java: int TextAppearance\_Compat\_Notification\_Info = 2132017660; -> (Removed likely-unused declaration 'TextAppearance\_Compat\_Notification\_Info')

input\sources\07\00000007.java: int TextAppearance\_Compat\_Notification\_Time = 2132017665; -> (Removed likely-unused declaration 'TextAppearance\_Compat\_Notification\_Time')

input\sources\07\00000007.java: int Widget\_Compat\_NotificationActionContainer = 2132018045; -> (Removed likely-unused declaration 'Widget\_Compat\_NotificationActionContainer')

input\sources\07\00000007.java: int Widget\_Compat\_NotificationActionText = 2132018046; -> (Removed likely-unused declaration 'Widget\_Compat\_NotificationActionText')

public static final int TextAppearance\_Compat\_Notification = 213201765 -> package A;

input\sources\08\00000008.java: int ic\_call\_answer = 2131231357; -> (Removed likely-unused declaration 'ic\_call\_answer')

input\sources\08\00000008.java: int ic\_call\_answer\_low = 2131231358; -> (Removed likely-unused declaration 'ic\_call\_answer\_low')

input\sources\08\00000008.java: int ic\_call\_answer\_video\_low = 2131231360; -> (Removed likely-unused declaration 'ic\_call\_answer\_video\_low')

input\sources\08\00000008.java: int ic\_call\_decline\_low = 2131231364; -> (Removed likely-unused declaration 'ic\_call\_decline\_low')

input\sources\08\00000008.java: int notification\_action\_background = 2131231957; -> (Removed likely-unused declaration 'notification\_action\_background')

input\sources\08\00000008.java: int notification\_bg\_low\_normal = 2131231960; -> (Removed likely-unused declaration 'notification\_bg\_low\_normal')

input\sources\08\00000008.java: int notification\_bg\_low\_pressed = 2131231961; -> (Removed likely-unused declaration 'notification\_bg\_low\_pressed')

input\sources\08\00000008.java: int notification\_bg\_normal = 2131231962; -> (Removed likely-unused declaration 'notification\_bg\_normal')

input\sources\08\00000008.java: int notification\_template\_icon\_low\_bg = 2131231967; -> (Removed likely-unused declaration 'notification\_template\_icon\_low\_bg')

input\sources\08\00000008.java: int notification\_tile\_bg = 2131231968; -> (Removed likely-unused declaration 'notification\_tile\_bg')

input\sources\08\00000008.java: int notify\_panel\_notification\_icon\_bg = 2131231969; -> (Removed likely-unused declaration 'notify\_panel\_notification\_icon\_bg')

public static -> package B;

} -> package Class1;

input\sources\0a\0000000a.java: int accessibility\_action\_clickable\_span = 2131361837; -> (Removed likely-unused declaration 'accessibility\_action\_clickable\_span')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_0 = 2131361838; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_0')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_10 = 2131361840; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_10')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_12 = 2131361842; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_12')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_13 = 2131361843; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_13')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_15 = 2131361845; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_15')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_17 = 2131361847; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_17')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_19 = 2131361849; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_19')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_2 = 2131361850; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_2')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_21 = 2131361852; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_21')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_22 = 2131361853; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_22')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_25 = 2131361856; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_25')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_26 = 2131361857; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_26')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_28 = 2131361859; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_28')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_3 = 2131361861; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_3')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_30 = 2131361862; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_30')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_4 = 2131361864; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_4')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_6 = 2131361866; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_6')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_7 = 2131361867; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_7')

input\sources\0a\0000000a.java: int accessibility\_custom\_action\_9 = 2131361869; -> (Removed likely-unused declaration 'accessibility\_custom\_action\_9')

input\sources\0a\0000000a.java: int action\_container = 2131361888; -> (Removed likely-unused declaration 'action\_container')

input\sources\0a\0000000a.java: int action\_image = 2131361895; -> (Removed likely-unused declaration 'action\_image')

input\sources\0a\0000000a.java: int actions = 2131361914; -> (Removed likely-unused declaration 'actions')

input\sources\0a\0000000a.java: int async = 2131362028; -> (Removed likely-unused declaration 'async')

input\sources\0a\0000000a.java: int blocking = 2131362094; -> (Removed likely-unused declaration 'blocking')

input\sources\0a\0000000a.java: int dialog\_button = 2131362715; -> (Removed likely-unused declaration 'dialog\_button')

input\sources\0a\0000000a.java: int edit\_text\_id = 2131362802; -> (Removed likely-unused declaration 'edit\_text\_id')

input\sources\0a\0000000a.java: int hide\_ime\_id = 2131363167; -> (Removed likely-unused declaration 'hide\_ime\_id')

input\sources\0a\0000000a.java: int icon\_group = 2131363208; -> (Removed likely-unused declaration 'icon\_group')

input\sources\0a\0000000a.java: int info = 2131363334; -> (Removed likely-unused declaration 'info')

input\sources\0a\0000000a.java: int italic = 2131363376; -> (Removed likely-unused declaration 'italic')

input\sources\0a\0000000a.java: int line3 = 2131363670; -> (Removed likely-unused declaration 'line3')

input\sources\0a\0000000a.java: int normal = 2131364141; -> (Removed likely-unused declaration 'normal')

input\sources\0a\0000000a.java: int notification\_main\_column = 2131364160; -> (Removed likely-unused declaration 'notification\_main\_column')

input\sources\0a\0000000a.java: int right\_icon = 2131364607; -> (Removed likely-unused declaration 'right\_icon')

input\sources\0a\0000000a.java: int tag\_accessibility\_heading = 2131364933; -> (Removed likely-unused declaration 'tag\_accessibility\_heading')

input\sources\0a\0000000a.java: int tag\_on\_receive\_content\_listener = 2131364936; -> (Removed likely-unused declaration 'tag\_on\_receive\_content\_listener')

input\sources\0a\0000000a.java: int tag\_screen\_reader\_focusable = 2131364938; -> (Removed likely-unused declaration 'tag\_screen\_reader\_focusable')

input\sources\0a\0000000a.java: int tag\_unhandled\_key\_listeners = 2131364942; -> (Removed likely-unused declaration 'tag\_unhandled\_key\_listeners')



input\sources\0a\0000000a.java: int text2 = 2131364956; -> (Removed likely-unused declaration 'text2')

input\sources\0a\0000000a.java: int time = 2131365113; -> (Removed likely-unused declaration 'time')

public static final int accessibility\_action\_clickable\_span = 21313618 -> package B;

} -> package Class1;

input\sources\0c\0000000c.java: int call\_notification\_answer\_action = 2131952157; -> (Removed likely-unused declaration 'call\_notification\_answer\_action')

input\sources\0c\0000000c.java: int call\_notification\_answer\_video\_action = 2131952158; -> (Removed likely-unused declaration 'call\_notification\_answer\_video\_action')

input\sources\0c\0000000c.java: int call\_notification\_hang\_up\_action = 2131952160; -> (Removed likely-unused declaration 'call\_notification\_hang\_up\_action')

input\sources\0c\0000000c.java: int call\_notification\_screening\_text = 2131952163; -> (Removed likely-unused declaration 'call\_notification\_screening\_text')

input\sources\0c\0000000c.java: int status\_bar\_notification\_info\_overflow = 2131954096; -> (Removed likely-unused declaration 'status\_bar\_notification\_info\_overflow')

-> package B;

} -> package Class1;

} -> package Class2;

} -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class2;

} -> package Class1;

} -> package Class1;

} -> package Class2;

} -> package Class1;

} -> package Class1;

-> package Class1;

} -> package Class1;

} -> package Class1;

NETWORK\_TRACE\_EVENT\_RATE\_LIMITE -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class2;

```

} -> package Class2;
} -> package Class1;
} -> package Class1;
if (f -> package E;
ON -> package Class1;
public static boolean a(Conne -> package F;
} -> package Class1;
} -> package Class1;
public interf -> package C;
public interface a<TInput, TResult, TException extends Throwabl -> package Class1;
} -> package Class1;

input\sources\2d\0000002d.java: int Capability_queryPatterns = 0; -> (Removed likely-unused
declaration 'Capability_queryPatterns')

input\sources\2d\0000002d.java: int Capability_shortcutMatchRequired = 1; -> (Removed likely-unused
declaration 'Capability_shortcutMatchRequired')

input\sources\2d\0000002d.java: int ColorStateListItem_android_alpha = 1; -> (Removed likely-unused
declaration 'ColorStateListItem_android_alpha')

input\sources\2d\0000002d.java: int ColorStateListItem_android_IStar = 2; -> (Removed likely-unused
declaration 'ColorStateListItem_android_IStar')

input\sources\2d\0000002d.java: int ColorStateListItem_IStar = 4; -> (Removed likely-unused
declaration 'ColorStateListItem_IStar')

input\sources\2d\0000002d.java: int FontFamilyFont_android_fontStyle = 2; -> (Removed likely-unused
declaration 'FontFamilyFont_android_fontStyle')

input\sources\2d\0000002d.java: int FontFamilyFont_android_fontVariationSettings = 4; -> (Removed
likely-unused declaration 'FontFamilyFont_android_fontVariationSettings')

input\sources\2d\0000002d.java: int FontFamilyFont_android_fontWeight = 1; -> (Removed
likely-unused declaration 'FontFamilyFont_android_fontWeight')

input\sources\2d\0000002d.java: int FontFamilyFont_fontStyle = 6; -> (Removed likely-unused
declaration 'FontFamilyFont_fontStyle')

input\sources\2d\0000002d.java: int FontFamilyFont_ttclIndex = 9; -> (Removed likely-unused
declaration 'FontFamilyFont_ttclIndex')

input\sources\2d\0000002d.java: int FontFamily_fontProviderAuthority = 0; -> (Removed likely-unused
declaration 'FontFamily_fontProviderAuthority')

input\sources\2d\0000002d.java: int FontFamily_fontProviderFetchStrategy = 2; -> (Removed
likely-unused declaration 'FontFamily_fontProviderFetchStrategy')

input\sources\2d\0000002d.java: int FontFamily_fontProviderFetchTimeout = 3; -> (Removed
likely-unused declaration 'FontFamily_fontProviderFetchTimeout')

input\sources\2d\0000002d.java: int FontFamily_fontProviderQuery = 5; -> (Removed likely-unused
declaration 'FontFamily_fontProviderQuery')

```

input\sources\2d\0000002d.java: int GradientColorItem\_android\_color = 0; -> (Removed likely-unused declaration 'GradientColorItem\_android\_color')

input\sources\2d\0000002d.java: int GradientColor\_android\_centerY = 4; -> (Removed likely-unused declaration 'GradientColor\_android\_centerY')

input\sources\2d\0000002d.java: int GradientColor\_android\_endColor = 1; -> (Removed likely-unused declaration 'GradientColor\_android\_endColor')

input\sources\2d\0000002d.java: int GradientColor\_android\_endY = 11; -> (Removed likely-unused declaration 'GradientColor\_android\_endY')

input\sources\2d\0000002d.java: int GradientColor\_android\_gradientRadius = 5; -> (Removed likely-unused declaration 'GradientColor\_android\_gradientRadius')

input\sources\2d\0000002d.java: int GradientColor\_android\_startX = 8; -> (Removed likely-unused declaration 'GradientColor\_android\_startX')

input\sources\2d\0000002d.java: int GradientColor\_android\_startY = 9; -> (Removed likely-unused declaration 'GradientColor\_android\_startY')

input\sources\2d\0000002d.java: int GradientColor\_android\_tileMode = 6; -> (Removed likely-unused declaration 'GradientColor\_android\_tileMode')

public static final int Capability\_q -> package B;

} -> package Class1;

} -> package Class1;

} -> package Class1;

} -> package Class1;

Tra -> package Class1;

} -> package Class1;

boolea -> package Class1;

-> package Class1;

} -> package Class1;

import java.lang.annotation.RetentionPolicy -> package Class1;

-> package Class1;

import java.lang.annotation.RetentionPolicy -> package Class1;

input\sources\3a\0000003a.java: int ColorStateListItem\_alpha = 3; -> (Removed likely-unused declaration 'ColorStateListItem\_alpha')

input\sources\3a\0000003a.java: int ColorStateListItem\_android\_alpha = 1; -> (Removed likely-unused declaration 'ColorStateListItem\_android\_alpha')

input\sources\3a\0000003a.java: int ColorStateListItem\_android\_IStar = 2; -> (Removed likely-unused declaration 'ColorStateListItem\_android\_IStar')

input\sources\3a\0000003a.java: int CoordinatorLayout\_Layout\_android\_layout\_gravity = 0; -> (Removed likely-unused declaration 'CoordinatorLayout\_Layout\_android\_layout\_gravity')

input\sources\3a\0000003a.java: int CoordinatorLayout\_Layout\_layout\_behavior = 3; -> (Removed likely-unused declaration 'CoordinatorLayout\_Layout\_layout\_behavior')

```

input\sources\3a\0000003a.java: int CoordinatorLayout_Layout_layout_dodgeInsetEdges = 4; ->
(Removed likely-unused declaration 'CoordinatorLayout_Layout_layout_dodgeInsetEdges')

input\sources\3a\0000003a.java: int CoordinatorLayout_Layout_layout_keyline = 6; -> (Removed
likely-unused declaration 'CoordinatorLayout_Layout_layout_keyline')

input\sources\3a\0000003a.java: int CoordinatorLayout_statusBarBackground = 1; -> (Removed
likely-unused declaration 'CoordinatorLayout_statusBarBackground')

input\sources\3a\0000003a.java: int FontFamilyFont_android_font = 0; -> (Removed likely-unused
declaration 'FontFamilyFont_android_font')

input\sources\3a\0000003a.java: int FontFamilyFont_android_fontVariationSettings = 4; -> (Removed
likely-unused declaration 'FontFamilyFont_android_fontVariationSettings')

input\sources\3a\0000003a.java: int FontFamilyFont_android_fontWeight = 1; -> (Removed
likely-unused declaration 'FontFamilyFont_android_fontWeight')

input\sources\3a\0000003a.java: int FontFamilyFont_font = 5; -> (Removed likely-unused declaration
'FontFamilyFont_font')

input\sources\3a\0000003a.java: int FontFamilyFont_fontVariationSettings = 7; -> (Removed
likely-unused declaration 'FontFamilyFont_fontVariationSettings')

input\sources\3a\0000003a.java: int FontFamily_fontProviderFetchStrategy = 2; -> (Removed
likely-unused declaration 'FontFamily_fontProviderFetchStrategy')

input\sources\3a\0000003a.java: int FontFamily_fontProviderPackage = 4; -> (Removed likely-unused
declaration 'FontFamily_fontProviderPackage')

input\sources\3a\0000003a.java: int FontFamily_fontProviderSystemFontFamily = 6; -> (Removed
likely-unused declaration 'FontFamily_fontProviderSystemFontFamily')

input\sources\3a\0000003a.java: int GradientColorItem_android_color = 0; -> (Removed likely-unused
declaration 'GradientColorItem_android_color')

input\sources\3a\0000003a.java: int GradientColorItem_android_offset = 1; -> (Removed likely-unused
declaration 'GradientColorItem_android_offset')

input\sources\3a\0000003a.java: int GradientColor_android_centerColor = 7; -> (Removed
likely-unused declaration 'GradientColor_android_centerColor')

input\sources\3a\0000003a.java: int GradientColor_android_centerX = 3; -> (Removed likely-unused
declaration 'GradientColor_android_centerX')

input\sources\3a\0000003a.java: int GradientColor_android_endColor = 1; -> (Removed likely-unused
declaration 'GradientColor_android_endColor')

input\sources\3a\0000003a.java: int GradientColor_android_endX = 10; -> (Removed likely-unused
declaration 'GradientColor_android_endX')

input\sources\3a\0000003a.java: int GradientColor_android_gradientRadius = 5; -> (Removed
likely-unused declaration 'GradientColor_android_gradientRadius')

input\sources\3a\0000003a.java: int GradientColor_android_startX = 8; -> (Removed likely-unused
declaration 'GradientColor_android_startX')

input\sources\3a\0000003a.java: int GradientColor_android_tileMode = 6; -> (Removed likely-unused
declaration 'GradientColor_android_tileMode')

public static final int ColorStateLi -> package A;

} -> package I;

```

```

} -> package Class1;
import java.lang.annotation.RetentionPolicy -> package Class1;
} -> package I;
} -> package I;
} -> package I;
} -> package Class1;
} -> package I;
if (fun -> package Class1;
} -> package I;
METERED -> package Class1;
} -> package I;
} -> package I;
-> package Class1;
private static -> package Class1;
} -> package Class1;
super(s -> package Class1;
} -> package Class1;
} -> package I;
super(s -> package Class1;
} -> package Class1;
public interface Abstract -> package Class1;
public interface Abstract -> package Class1;
super(s -> package Class1;
public interface Abstract -> package Class1;
void G(int func4, long -> package Class1;
public interface Abstract -> package Class1;
public interface Abstract -> package Class1;
/* renamed from: Class1.a$a reason: -> package Class1;
} -> package Class1;
} -> package Class1;
} -> package I;
super(s -> package Class1;
public class -> package Class1;
-> package Class1;
public class I<A extends Comparable -> package Class1;

```

```
} -> package Class1;
import java.lang.annotation.RetentionPolicy -> package Class1;
void l(Bund -> package Class1;
/* JADX INFO: Access modifier -> package G;
} -> package Class1;
} -> package Class1;
input\sources\66\00000066.java: int ViewPager2_android_orientation = 0; -> (Removed likely-unused
declaration 'ViewPager2_android_orientation')
public sta -> package Class1;
} -> package l;
-> package Class1;
} -> package l;
} -> package l;
public interface AbstractC -> package Class1;
p -> package Class1;
public static /* synthetic */ int a(boolean func1 -> package Class1;
} -> package Class1;
-> package Class1;
} -> package Class1;
/* renamed from: a -> package Class1;
```

## ===== Inline Expansion =====

- tiny wrappers that call another function and do nothing else
- multiple-level wrappers

CI -> """

- tiny wrappers that call another function and do nothing else
- multiple-level wrappers

" -> # ----- controlflow.py -----

input\controlflow\_flattening.py: '// Suggested deobfuscated sequence\n' + '/' \* case1 \* '\n' -> '// Suggested deobfuscated sequence\n/\* case1 \* '\n' (Constant folded)

Conservative detection + optional simple u -> """

-> """# Dead Code Test Cases

- Python: eval, exec, compile, importlib, getattr/locals tricks
- C/C++: functi -> """
- Python: eval, exec, compile, importlib, getattr/locals tricks
- C/C++: functi (Full cleaned file (Python inline folding))

# 2. Constant addition insid -> """# Inline Expansion Complex Test Cases with Loops

- x - (-1) -> x + 1
- x << 1 -> x \* 2
- x + x -> 2 \* x (or x \* 2)
- bitwise trick -> """
- x - (-1) -> x + 1
- x << 1 -> x \* 2
- x + x -> 2 \* x (or x \* 2)
- bitwise trick (Full cleaned file (Python inline folding))
- 2'

Conservative cleaning: -> """

- inline assembly or ASM blocks inside C/C++
- presence of JNI-like bridging cod -> """
- inline assembly or ASM blocks inside C/C++
- presence of JNI-like bridging cod (Full cleaned file (Python inline folding))

# -> import re

if (2 + 2 == 4) and (3 > -> # Opaque Predicate Complex Test Cases

return ".join((chr(c ^ -> import re

## ===== Opaque Predicates =====

- tiny wrappers that call another function and do nothing else
- multiple-level wrappers

CI -> """

- tiny wrappers that call another function and do nothing else
- multiple-level wrappers

" -> # ----- controlflow.py -----

Conservative detection + optional simple u -> """

-> """# Dead Code Test Cases

- Python: eval, exec, compile, importlib, getattr/locals tricks
- C/C++: functi -> """
- Python: eval, exec, compile, importlib, getattr/locals tricks
- C/C++: functi (Full cleaned file (Python opaque predicate simplification))

# 2. Constant addition insid -> """# Inline Expansion Complex Test Cases with Loops

- x - (-1) -> x + 1

- x << 1 -> x \* 2

- x + x -> 2 \* x (or x \* 2)

- bitwise trick -> """

- x - (-1) -> x + 1

- x << 1 -> x \* 2

- x + x -> 2 \* x (or x \* 2)

- bitwise trick (Full cleaned file (Python opaque predicate simplification))

Conservative cleaning: -> """

- inline assembly or ASM blocks inside C/C++
- presence of JNI-like bridging cod -> """
- inline assembly or ASM blocks inside C/C++
- presence of JNI-like bridging cod (Full cleaned file (Python opaque predicate simplification))

# -> import re

if (2 + 2 == 4) and (3 > -> # Opaque Predicate Complex Test Cases

return ".join((chr(c ^ -> import re



## ===== Control Flow Flattening =====

input\controlflow\_flattening.py: -> (Detected Python flattened control-flow patterns. Manual reconstruction recommended.)

input\inlineExpansion.py: -> (Detected Python flattened control-flow patterns. Manual reconstruction recommended.)

## ===== Instruction Substitution =====

input\instruction\_substitution.py:  $x - (-1) \rightarrow x + 1$  (Canonicalized: neg-neg to plus)

input\instruction\_substitution.py:  $x + x \rightarrow 2 * x$  (Canonicalized:  $x+x$  to  $2*x$ )

input\instruction\_substitution.py:  $x+x \rightarrow 2 * x$  (Canonicalized:  $x+x$  to  $2*x$ )

input\instruction\_substitution.py:  $x+x \rightarrow 2 * x$  (Canonicalized:  $x+x$  to  $2*x$ )

-  $x - (-1) \rightarrow x + 1$

-  $x \ll 1 \rightarrow x * 2$

-  $x + x \rightarrow 2 * x$  (or  $x * 2$ )

- bitwise trick  $\rightarrow$  ""

-  $x + 1 \rightarrow x + 1$

-  $x \ll 1 \rightarrow x * 2$

-  $2 * x \rightarrow 2 * x$  (or  $x * 2$ )

- bitwise tricks ( (Applied instruction substitution canonicalization (Python))

## ===== Dynamic Code Loading =====

input\controlFlow.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 17, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 18, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 19, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 24, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 25, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 26, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\controlflow\_flattening.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\deadCode.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 228, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 237, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 252, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 129, 'snippet': 'getattr(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 144, 'snippet': 'getattr(', 'reason': 'dynamic execution/reflection'}])

input\dynamic\_loading.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\inlineExpansion.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 153, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\instruction\_substitution.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 11, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 32, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 32, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\opaque\_predicate.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 198, 'snippet': 'eval(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 189, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}, { 'type': 'dynamic\_py', 'lineno': 231, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

input\stringEncryption.py: -> (Detected dynamic constructs (eval/exec/compile/reflection). Manual review required: [{ 'type': 'dynamic\_py', 'lineno': 18, 'snippet': 'compile(', 'reason': 'dynamic execution/reflection'}])

} -> (Removed trivial wrapper if -> inlined calls to a())

```
/* renamed from: a -> package Class1;
```

## ===== Junk Code =====

-> ""# Dead Code Test Cases

Conservative cleaning: -> ""

if (2 + 2 == 4) and (3 > -> # Opaque Predicate Complex Test Cases

input\sources\00\00000000.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\01\00000001.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\02\00000002.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\03\00000003.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\04\00000004.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\05\00000005.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\06\00000006.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\07\00000007.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\08\00000008.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\09\00000009.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0a\0000000a.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0b\0000000b.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0c\0000000c.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0d\0000000d.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0e\0000000e.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'

input\sources\0f\0000000f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\10\00000010.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\11\00000011.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\12\00000012.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\13\00000013.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\14\00000014.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\15\00000015.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\16\00000016.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\17\00000017.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\18\00000018.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\19\00000019.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1a\0000001a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1b\0000001b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1c\0000001c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1d\0000001d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1e\0000001e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\1f\0000001f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\20\00000020.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\21\00000021.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\22\00000022.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\23\00000023.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\24\00000024.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\25\00000025.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\26\00000026.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\27\00000027.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\28\00000028.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\29\00000029.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2a\0000002a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2b\0000002b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2c\0000002c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2d\0000002d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2e\0000002e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\2f\0000002f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\30\00000030.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\31\00000031.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'

input\sources\32\00000032.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\33\00000033.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\34\00000034.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\35\00000035.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\36\00000036.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\37\00000037.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\38\00000038.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\39\00000039.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3a\0000003a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3b\0000003b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3c\0000003c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3d\0000003d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3e\0000003e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\3f\0000003f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\40\00000040.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\41\00000041.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\42\00000042.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\43\00000043.java: Error - Traceback (most recent call last):



TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\45\00000045.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\46\00000046.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\47\00000047.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\48\00000048.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\49\00000049.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4a\0000004a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4b\0000004b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4c\0000004c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4d\0000004d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4e\0000004e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\4f\0000004f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\50\00000050.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\51\00000051.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\52\00000052.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\53\00000053.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\54\00000054.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\55\00000055.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'

input\sources\56\00000056.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\57\00000057.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\58\00000058.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\59\00000059.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5a\0000005a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5b\0000005b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5c\0000005c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5d\0000005d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5e\0000005e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\5f\0000005f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\60\00000060.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\61\00000061.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\62\00000062.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\63\00000063.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\64\00000064.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\65\00000065.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\66\00000066.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\67\00000067.java: Error - Traceback (most recent call last):

TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\68\00000068.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\69\00000069.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6a\0000006a.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6b\0000006b.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6c\0000006c.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6d\0000006d.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6e\0000006e.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\6f\0000006f.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\70\00000070.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'  
input\sources\71\00000071.java: Error - Traceback (most recent call last):  
TypeError: sub() missing 1 required positional argument: 'string'

**===== API Redirection =====**

## ===== Mixed Language Obfuscation =====

No cases detected.

## ===== Identifier Obfuscation =====