

A

amandroid

BREW - Source & Sink Selector (/Users/xinyu/malware/BREW/data/data.ser)

FileEditHelp

Search:

D

roidSafe

BREW - Source & Sink Selector (/Users/xinyu/malware/BREW/data/data.ser)

FileEditHelp

Search:

F

lowDroid

BREW - Source & Sink Selector (/Users/xinyu/malware/BREW/data/data.ser)

File Edit Help

Search:

ID	Testcase	Statement	Source	Sink	Combine with IDs (e.g. "1, 2")
0	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
1	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$A: void <init>(de.ecsprise.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
2	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
3	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$A: void <init>(de.ecsprise.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
5	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: android.telephony.SmsManager getDefault()	<input type="checkbox"/>	<input type="checkbox"/>	
6	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: void sendTextMessage(java.lang.String,jav...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
8	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	
9	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: void aliasFlowTest()	<input type="checkbox"/>	<input type="checkbox"/>	
10	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: android.support.v4.app.FragmentManager getSup...	<input type="checkbox"/>	<input type="checkbox"/>	
11	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentManager: android.support.v4.app.Fragmen...	<input type="checkbox"/>	<input type="checkbox"/>	
12	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$PlaceholderFragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
13	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: android.support.v4.app.Frag...	<input type="checkbox"/>	<input type="checkbox"/>	
14	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: int commit()	<input type="checkbox"/>	<input type="checkbox"/>	
15	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: android.view.MenuInflater getMenuInflater()	<input type="checkbox"/>	<input type="checkbox"/>	
16	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuInflater: void inflate(int,android.view.Menu)	<input type="checkbox"/>	<input type="checkbox"/>	
17	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuItem: int getItemId()	<input type="checkbox"/>	<input type="checkbox"/>	
18	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: boolean onOptionsItemSelected(a...	<input type="checkbox"/>	<input type="checkbox"/>	
19	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.Fragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
20	0: .../Aliasing/FlowSensitivity1.apk	android.view.LayoutInflater: android.view.View inflate(int,android.view.View...	<input type="checkbox"/>	<input type="checkbox"/>	
21	1: ...hmark/apks/Aliasing/Merge1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
22	1: ...hmark/apks/Aliasing/Merge1.apk	de.ecsprise.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
23	1: ...hmark/apks/Aliasing/Merge1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

▼ Statistics

Testcases: 570	Sources: 0	Positive cases: 486	True Positive: 240	Precision: 0.87
	Sinks: 0	Negative cases: 126	False Positive: 36	Recall: 0.494
			True Negative: 90	F-Measure: 0.63
			False Negative: 246	

► Information

IccTA

BREW - Source & Sink Selector (/Users/xinyu/malware/BREW/data/data.ser)

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Search:

ID	Testcase	Statement	Source	Sink	Combine with IDs (e.g. "1, 2")
0	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
1	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$A: void <init>(de.ecsprise.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
2	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
3	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$A: void <init>(de.ecsprise.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
5	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: android.telephony.SmsManager getDefault()	<input type="checkbox"/>	<input type="checkbox"/>	
6	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: void sendTextMessage(java.lang.String,jav...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
8	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	
9	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: void aliasFlowTest()	<input type="checkbox"/>	<input type="checkbox"/>	
10	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: android.support.v4.app.FragmentManager getSup...	<input type="checkbox"/>	<input type="checkbox"/>	
11	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentManager: android.support.v4.app.Fragmen...	<input type="checkbox"/>	<input type="checkbox"/>	
12	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity\$PlaceholderFragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
13	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: android.support.v4.app.Frag...	<input type="checkbox"/>	<input type="checkbox"/>	
14	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: int commit()	<input type="checkbox"/>	<input type="checkbox"/>	
15	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprise.MainActivity: android.view.MenuInflater getMenuInflater()	<input type="checkbox"/>	<input type="checkbox"/>	
16	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuInflater: void inflate(int,android.view.Menu)	<input type="checkbox"/>	<input type="checkbox"/>	
17	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuItem: int getItemId()	<input type="checkbox"/>	<input type="checkbox"/>	
18	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: boolean onOptionsItemSelected(a...	<input type="checkbox"/>	<input type="checkbox"/>	
19	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.Fragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
20	0: .../Aliasing/FlowSensitivity1.apk	android.view.LayoutInflater: android.view.View inflate(int,android.view.View...	<input type="checkbox"/>	<input type="checkbox"/>	
21	1: ...hmark/apks/Aliasing/Merge1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
22	1: ...hmark/apks/Aliasing/Merge1.apk	de.ecsprise.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
23	1: ...hmark/apks/Aliasing/Merge1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

▼ Statistics

Testcases: 760	Sources: 0	Positive cases: 648	True Positive: 329	Precision: 0.861
	Sinks: 0	Negative cases: 168	False Positive: 53	Recall: 0.508
			True Negative: 115	F-Measure: 0.639
			False Negative: 319	

► Information

DIALDroid

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Search:

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0	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity\$a: void <init> (de.ecsprice.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity\$a: void <init> (de.ecsprice.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: android.telephony.SmsManager getDefault()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: void sendTextMessage(java.lang.String, java...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity: void aliasFlowTest()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity: android.support.v4.app.FragmentManager getSup...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentManager: android.support.v4.app.Fragmen...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity\$PlaceholderFragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: android.support.v4.app.Frag...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: int commit()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	0: .../Aliasing/FlowSensitivity1.apk	de.ecsprice.MainActivity: android.view.MenuInflater getMenuInflater()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuInflater: void inflate(int, android.view.Menu)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuItem: int getItemId()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.ActionBarActivity: boolean onOptionsItemSelected(a...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.Fragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	0: .../Aliasing/FlowSensitivity1.apk	android.view.LayoutInflater: android.view.View inflate(int, android.view.View...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	1: ...hmark/apks/Alasing/Merge1.apk	android.support.v7.app.ActionBarActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	1: ...hmark/apks/Alasing/Merge1.apk	de.ecsprice.MainActivity: java.lang.Object getSystemService(java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	1: ...hmark/apks/Alasing/Merge1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

▼ Statistics

Testcases: 190	Sources: 0	Positive cases: 162	True Positive: 12	Precision: 1.0
	Sinks: 0	Negative cases: 42	False Positive: 0	Recall: 0.074
			True Negative: 42	F-Measure: 0.138
			False Negative: 150	

► Information

DidFail

BREW - Source & Sink Selector (/Users/xinyu/malware/BREW/data/data.ser)

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Search:

ID	Testcase	Statement	Source	Sink	Combine with IDs (e.g. "1, 2")
0	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.AppCompatActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
1	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity\$a: void <init> (de.ecspride.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
2	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity: java.lang.Object getSystemService (java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
3	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity\$a: void <init> (de.ecspride.MainActivity)	<input type="checkbox"/>	<input type="checkbox"/>	
5	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: android.telephony.SmsManager getDefault()	<input type="checkbox"/>	<input type="checkbox"/>	
6	0: .../Aliasing/FlowSensitivity1.apk	android.telephony.SmsManager: void sendTextMessage (java.lang.String, jav...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.AppCompatActivity: void onCreate (android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
8	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity: void setContentView (int)	<input type="checkbox"/>	<input type="checkbox"/>	
9	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity: void aliasFlowTest()	<input type="checkbox"/>	<input type="checkbox"/>	
10	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity: android.support.v4.app.FragmentManager getSup...	<input type="checkbox"/>	<input type="checkbox"/>	
11	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentManager: android.support.v4.app.Fragmen...	<input type="checkbox"/>	<input type="checkbox"/>	
12	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity\$PlaceholderFragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
13	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: android.support.v4.app.Frag...	<input type="checkbox"/>	<input type="checkbox"/>	
14	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.FragmentTransaction: int commit()	<input type="checkbox"/>	<input type="checkbox"/>	
15	0: .../Aliasing/FlowSensitivity1.apk	de.ecspride.MainActivity: android.view.MenuInflater getMenuInflater()	<input type="checkbox"/>	<input type="checkbox"/>	
16	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuInflater: void inflate (int, android.view.Menu)	<input type="checkbox"/>	<input type="checkbox"/>	
17	0: .../Aliasing/FlowSensitivity1.apk	android.view.MenuItem: int getItemId()	<input type="checkbox"/>	<input type="checkbox"/>	
18	0: .../Aliasing/FlowSensitivity1.apk	android.support.v7.app.AppCompatActivity: boolean onOptionsItemSelected(a...	<input type="checkbox"/>	<input type="checkbox"/>	
19	0: .../Aliasing/FlowSensitivity1.apk	android.support.v4.app.Fragment: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
20	0: .../Aliasing/FlowSensitivity1.apk	android.view.LayoutInflater: android.view.View inflate (int, android.view.View...	<input type="checkbox"/>	<input type="checkbox"/>	
21	1: ...hmark/apks/Alasing/Merge1.apk	android.support.v7.app.AppCompatActivity: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
22	1: ...hmark/apks/Alasing/Merge1.apk	de.ecspride.MainActivity: java.lang.Object getSystemService (java.lang.String)	<input type="checkbox"/>	<input type="checkbox"/>	
23	1: ...hmark/apks/Alasing/Merge1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

▼ Statistics

Testcases: 190	Sources: 0	Positive cases: 162	True Positive: 50	Precision: 0.769
	Sinks: 0	Negative cases: 42	False Positive: 15	Recall: 0.309
			True Negative: 27	F-Measure: 0.441
			False Negative: 112	

► Information

ID	Testcase	Statement	Source	Sink	Combine with IDs (e.g. *1, 2*)
2952	186: ...bleCode/SimpleUnreachable1.apk	droidbench.sit.fraunhofer.de.simpleunreachable1.MainActivity: java.lang.Obj...	<input type="checkbox"/>	<input type="checkbox"/>	
2953	186: ...bleCode/SimpleUnreachable1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2954	186: ...bleCode/SimpleUnreachable1.apk	android.util.Log: int d(java.lang.String,java.lang.String)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2955	187: ...hableCode/UnreachableBoth.apk	android.app.Activity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
2956	187: ...hableCode/UnreachableBoth.apk	edu.wayne.cs.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2957	187: ...hableCode/UnreachableBoth.apk	java.util.Random: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
2958	187: ...hableCode/UnreachableBoth.apk	java.util.Random: int nextInt(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2959	187: ...hableCode/UnreachableBoth.apk	edu.wayne.cs.MainActivity: java.lang.Object getSystemService(java.lang.Stri...	<input type="checkbox"/>	<input type="checkbox"/>	
2960	187: ...hableCode/UnreachableBoth.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2961	188: ...hableCode/UnreachableBoth.apk	android.util.Log: int d(java.lang.String,java.lang.String)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2962	188: ...hableCode/UnreachableSink1.apk	android.app.Activity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
2963	188: ...hableCode/UnreachableSink1.apk	edu.wayne.cs.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2964	188: ...hableCode/UnreachableSink1.apk	edu.wayne.cs.MainActivity: java.lang.Object getSystemService(java.lang.Stri...	<input type="checkbox"/>	<input type="checkbox"/>	
2965	188: ...hableCode/UnreachableSink1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2966	188: ...hableCode/UnreachableSink1.apk	java.util.Random: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
2967	188: ...hableCode/UnreachableSink1.apk	java.util.Random: int nextInt(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2968	188: ...hableCode/UnreachableSink1.apk	android.util.Log: int d(java.lang.String,java.lang.String)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2969	189: ...bleCode/UnreachableSource1.apk	android.app.Activity: void onCreate(android.os.Bundle)	<input type="checkbox"/>	<input type="checkbox"/>	
2970	189: ...bleCode/UnreachableSource1.apk	edu.wayne.cs.MainActivity: void setContentView(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2971	189: ...bleCode/UnreachableSource1.apk	java.util.Random: void <init>()	<input type="checkbox"/>	<input type="checkbox"/>	
2972	189: ...bleCode/UnreachableSource1.apk	java.util.Random: int nextInt(int)	<input type="checkbox"/>	<input type="checkbox"/>	
2973	189: ...bleCode/UnreachableSource1.apk	edu.wayne.cs.MainActivity: java.lang.Object getSystemService(java.lang.Stri...	<input type="checkbox"/>	<input type="checkbox"/>	
2974	189: ...bleCode/UnreachableSource1.apk	android.telephony.TelephonyManager: java.lang.String getDeviceId()	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2975	189: ...bleCode/UnreachableSource1.apk	android.util.Log: int d(java.lang.String,java.lang.String)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Statistics
Testcases: 190 Sources: 0 Positive cases: 162 True Positive: 50 Precision: 0.769
 Sinks: 0 Negative cases: 42 False Positive: 15 Recall: 0.309
 True Negative: 27 F-Measure: 0.441
 False Negative: 112

Information

1. Download the latest version of BREW ([here](#)) and unzip it.
2. Make flushMemory.sh and killpid.sh, located in BREW directory, executeable:

```
cd /path/to/BREW
```

```
chmod u+x flushMemory.sh killpid.sh
```
3. Download a ReproDroid benchmark:
e.g. the refined benchmark version of DroidBench
3.0: <https://uni-paderborn.sciebo.de/s/ZmlRvtzI6pVYHVP/download?path=%2Fbenchmarks&files=DroidBench30.zip>
4. Choose the tool for which you want to load the benchmark (for this example we assume it is Amandroid).
5. Copy %benchmark%/results/Amandroid/data to %BREW%/data
6. Extract both downloaded archives: Let us assume %BREW% and %benchmark% refer to the respective extracted archives.
7. Start BREW with codes:

```
cd /path/to/BREW
```

```
java -jar BREW-1.1.1.jar -config config_amandroid.xml -d detailed.
```

Configurations files:

config_toolset1.xml (for Amandroid, DroidSafe, FlowDroid and IccTA)

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<config>
```

```
  <androidPlatforms>/path/to/Android/platforms</androidPlatforms>
```

```
  <maxMemory>4</maxMemory>
```

```
  <tools>
```

```
    <tool name="Tool1" version="1">
```

```
      <priority>1</priority>
```

```
      <path>/not/important</path>
```

```
      <run>/also/not/important</run>
```

```
      <result>/guess/what</result>
```

```
      <questions>IntraAppFlows</questions>
```

```
      <instances>0</instances>
```

```
      <memoryPerInstance>2</memoryPerInstance>
```

```
    </tool>
```

```
  </tools>
```

```
  <preprocessors>
```

```
    <tool name="Tool2" version="1">
```

```
      <priority>1</priority>
```

```
      <path>/not/important</path>
```

```
      <run>/also/not/important</run>
```

```
      <result>/guess/what</result>
```

```
      <questions>COMBINE</questions>
```

```
      <instances>0</instances>
```

```
      <memoryPerInstance>2</memoryPerInstance>
```

```
    </tool>
```

```
  </preprocessors>
```

```
</config>
```

config_toolset2.xml (for DIALDroid and DidFail)

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<config>
```

```
  <androidPlatforms>/path/to/Android/platforms</androidPlatforms>
```

```
  <maxMemory>4</maxMemory>
```

```
  <tools>
```

```
    <tool name="Tool1" version="1">
```

```
      <priority>1</priority>
```

```
      <path>/not/important</path>
```

```
      <run>/also/not/important</run>
```

```
      <result>/guess/what</result>
```

```
      <questions>IntraAppFlows, InterAppFlows</questions>
```

```
      <instances>0</instances>
```

```
      <memoryPerInstance>2</memoryPerInstance>
```

```
    </tool>
```

```
  </tools>
```

```
</config>
```

8. Click on *Next* (Green rightarrow in the toolbar)

9. Click on *Directory (Ignore parent directory)*
10. Select the %benchmark%/benchmark/apks directory
11. If any warnings appear, just click *OK*
12. Click on *Next* (Green rightarrow in the toolbar) again
13. Click *Yes*
14. Then you will get the fully loaded benchmark result.

