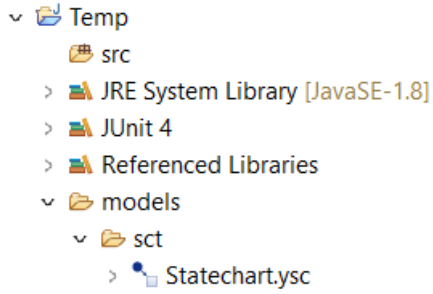
# Situazione iniziale:



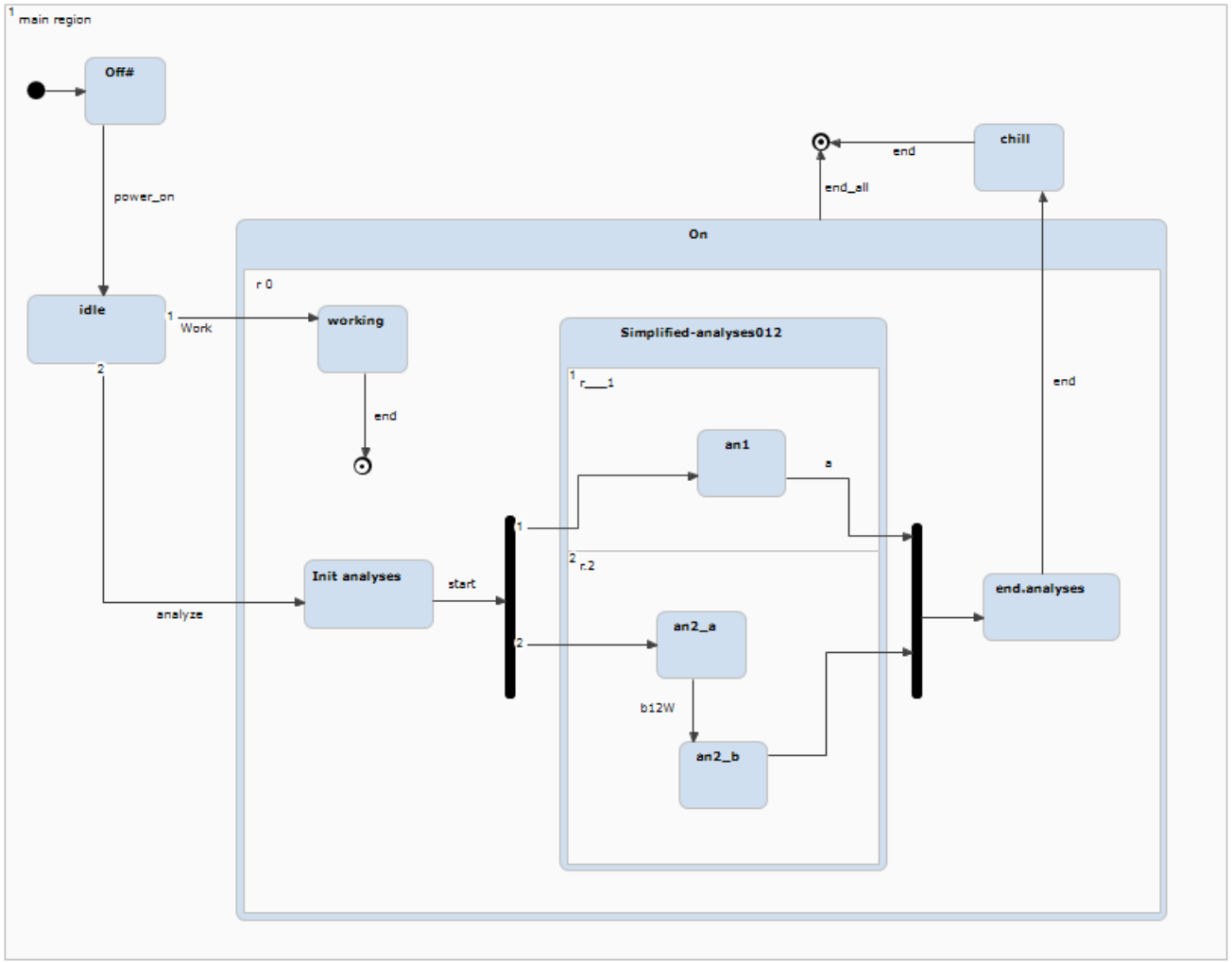

ExamplStc

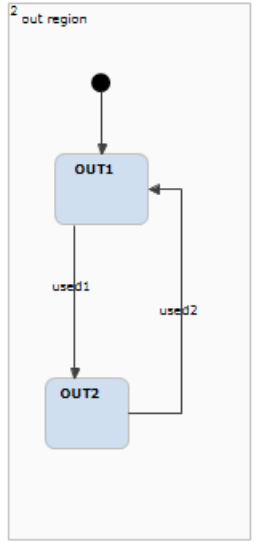
ExamplStc

```
// Use the event driven executio
// Switch to cycle based behavic
// by specifying '@CycleBased(2
@EventDriven

// Use @SuperSteps(yes) to enab
// super step semantics.
@SuperSteps(no)


interface:
    in event power_on
    in event Work
    in event analyze
    in event start
    in event a
    in event b12W
    in event end
    in event end_all
    in event notUsed1
    in event notUsed2
    in event notUsed3
    in event used1
    in event used2
```



Command Line Interface:

```
C:\Users\lenovo\Desktop>java -jar Ysc2SCTUnit-0.0.1.jar
------------------------------------------------------------
                        Ysc2SCTUnit
------------------------------------------------------------
Missing required options
usage: ysc2sctunit
 -binaryDir <arg>       relative path of the (existing) directory where
                        the binary (.class) files relative to the
                        generated java code will be put. For example if
                        working in a Maven project,it should be
                        "target\classes"; default is "bin"
 -h,--help              print this message
 -projectPath <arg>     path of the Java project, the base path of the
                        execution; required
 -searchBudget <arg>    the search budget to impose to Evosuite, it must
                        be a positive integer
 -sourceDir <arg>       relative path of the directory where the
                        statechart file is located; required
 -sourceFile <arg>      name of the statechart file without extension, the
                        extension can either be .ysc or .sct; required
 -t,--timeService       enable the generation of a timer service for
                        statecharts that use timed event triggers
 -targetDir <arg>       relative path of the directory containing the
                        target packages, if it is an existing source
                        folder, it cannot have subdirectories; default is
                        "src"
 -targetPackage <arg>   target package where the .java file implementing
                        the statechart will be placed, in dot notation;
                        required
------------------------------------------------------------
```

Esempio esecuzione da command line:

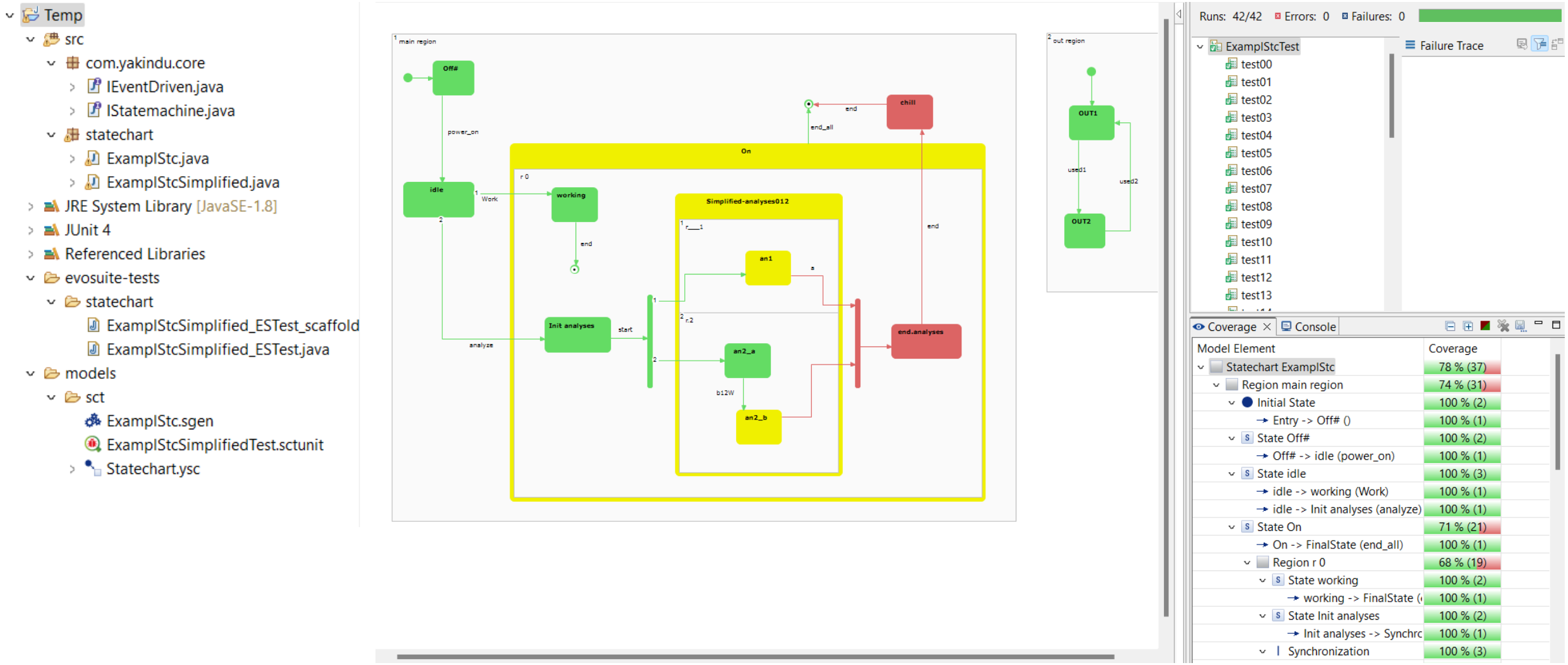
```
C:\Users\lenovo\Desktop>java -jar .\Ysc2SCTUnit-0.0.1.jar -projectPath C:\Users\lenovo\Desktop\ProgettiGit\test-generato
r-for-yakindu\junit-test-generation-example\Temp -sourceDir models\sct -sourceFile Statechart -targetPackage statechart
-searchBudget 10
```

Warning Itemis Create:

```
------------------------------------------------------------
SCC - itemis CREATE State Chart Compiler ((c) by itemis AG)

         Visit http://www.statecharts.org
------------------------------------------------------------
SLF4J(W): No SLF4J providers were found.
SLF4J(W): Defaulting to no-operation (NOP) logger implementation
SLF4J(W): See https://www.slf4j.org/codes.html#noProviders for further details.
Loading models from: C:\Users\lenovo\Desktop\ProgettiGit\test-generator-for-yakindu\junit-test-generation-example\Temp\m
odels\sct
2 base model(s) loaded. [sgen, ysc, scm, sct, sctunit]
Generating 'ExamplStc' to target 'project 'Temp' ...
ExamplStc done.
```

Warnings Evosuite:

```
* Compiling and checking tests
[MASTER] 11:05:10.247 [logback-1] WARN  AgentLoader - Failed to find EvoSuite jar in current classloader. URLs of classl
oader:
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/jaccess.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunec.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/../lib/tools.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/access-bridge-64.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunjce_provider.jar
file:/C:/Users/lenovo/AppData/Local/Temp/EvoSuite_pathingJar19916703067382684 36.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/nashorn.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/dnsns.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/localedata.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/jfxrt.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunpkcs11.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunmscapi.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/zipfs.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/cldrdata.jar
[MASTER] 11:05:10.262 [logback-1] WARN  JUnitAnalyzer - Found unstable test named initializationError -> class java.lang
.RuntimeException: Cannot find either the compilation target folder nor the EvoSuite jar in classpath: C:\Users\lenovo\A
ppData\Local\Temp\EvoSuite_pathingJar19916703067382684 36.jar
[MASTER] 11:05:10.338 [logback-1] WARN  AgentLoader - Failed to find EvoSuite jar in current classloader. URLs of classl
oader:
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/jaccess.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunec.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/../lib/tools.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/access-bridge-64.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/sunjce_provider.jar
file:/C:/Users/lenovo/AppData/Local/Temp/EvoSuite_pathingJar19916703067382684 36.jar
file:/C:/Program%20Files/Java/jdk1.8.0_202/jre/lib/ext/nashorn.jar
```

# Situazione finale: