The latest version of PITClipse (v2.0.0) was installed in Eclipse Marketplace in Mid-September - I just spent several hours getting this version running in one of my auxiliary Eclipse versions. It has been causing exceptions with my master Eclipse version for the last several weeks and the only way I could get a running PITClipse again was to restore my OS so I could get the old version back.

Unfortunately, Phil Glover the developer of PITClipse removed all old versions from the Internet - I have searched all sites and the old version is gone.

Now that I finally got the new PITClipse running I can see that the number of mutators in the All Mutators has exploded. The following table shows the number of mutations against a set of homework problems for the two versions.



Given this explosion of mutators and a careful review I can see that there are several mutators that appear to be over the top in terms of mistakes that a human would make. Therefore I am allowing the following exceptions to the 100 % rule.

If you have the old version of PIT/PITClipse please use that version. If not then use the latest version. Note that if you uninstall the old version you will not be able to get it back - it does not exist on the internet.

**When the following versions of PIT/PITClipse are set at "All Mutators" the following lists the allowed exceptions for these versions**

**PIT 1.1.9 (PITClipse 1.1.6) allowable exceptions**

Removed assignment to member variable...

Any table data mutation such as "Substituted 6 with 7"

replaced call to ... with argument → TIMED\_OUT

removed call to ... → TIMED\_OUT

**PIT 1.4.6 (PITClipse 2.0.0) allowable exceptions**

Incremented (a++) byte array field

Incremented (a--) byte array field

Incremented (++a) byte array field

Incremented (--a) byte array field

Decremented (a++) byte array field

Decremented (a--) byte array field

Decremented (++a) byte array field

Decremented (--a) byte array field

Incremented (a++) integer...

Incremented (a--) integer...

Incremented (++a) integer...

Incremented (--a) integer...

Decremented (a++) integer...

Decremented (a--) integer...

Decremented (++a) integer...

Decremented (--a) integer...

Incremented (a++) double...

Incremented (a--) double...

Incremented (++a) double...

Incremented (--a) double...

Decremented (a++) double...

Decremented (a--) double...

Decremented (++a) double...

Decremented (--a) double...

Negated byte array field

Any table data mutation such as "Substituted 6 with 7"

Negated integer...

equal to less or equal

Less or equal to equal

Less than to not equal

Greater or equal to equal

equal to greater or equal

not equal to greater than

not equal to less than

Substituted 1 with -1

removed call to...

Any other exceptions require approval.