# Test Plan – Slot Machines

Necessary cases to test will vary by problem.

As a starting point, write a test plan that looks for:

* the typical cases for the problem given
* the boundary conditions on all input values
* invalid inputs

Show the input sequence for a given case, and list the expected output.

| Test Cases | |
| --- | --- |
| **Description** | **Given Input (in bold) and Expected Output** |
| Typical case(s) | How many quarters does Martha have in the jar?  48  How many times has the first machine been played since paying out?  3  How many times has the second machine been played since paying out?  10  How many times has the third machine been played since paying out?  4  Martha plays 66 times before going broke.  How many quarters does Martha have in the jar?  4  How many times has the first machine been played since paying out?  2  How many times has the second machine been played since paying out?  3  How many times has the third machine been played since paying out?  4  Martha plays 4 times before going broke. |
| Boundary condition(s) | How many quarters does Martha have in the jar?  1  How many times has the first machine been played since paying out?  1  How many times has the second machine been played since paying out?  1  How many times has the third machine been played since paying out?  1  Martha plays 1 time before going broke. |
| Invalid input(s) | How many quarters does Martha have in the jar?  Fourty eight  How many quarters does Martha have in the jar?  48  How many times has the first machine been played since paying out?  3  How many times has the second machine been played since paying out?  10  How many times has the third machine been played since paying out?  4  Martha plays 66 times before going broke. |