# 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. |
| Boundary condition(s) | How many quarters does Martha have in the jar?  **3**  How many times has the first machine been played since paying out?  **0**  How many times has the second machine been played since paying out?  **0**  How many times has the third machine been played since paying out?  **0**  Martha plays 3 times before going broke.  How many quarters does Martha have in the jar?  **3**  How many times has the first machine been played since paying out?  **0**  How many times has the second machine been played since paying out?  **0**  How many times has the third machine been played since paying out?  **9**  Martha plays 12 times before going broke.  How many quarters does Martha have in the jar?  **1**  How many times has the first machine been played since paying out?  **34**  How many times has the second machine been played since paying out?  **0**  How many times has the third machine been played since paying out?  **0**  Martha plays 42 times before going broke. |
| Invalid input(s) | How many quarters does Martha have in the jar?  **1000**  How many quarters does Martha have in the jar?  **3**  How many times has the first machine been played since paying out?  **0**  How many times has the second machine been played since paying out?  **0**  How many times has the third machine been played since paying out?  **0**  Martha plays 3 times before going broke.  How many quarters does Martha have in the jar?  **3**  How many times has the first machine been played since paying out?  **Foo**  How many times has the first machine been played since paying out?  **0**  How many times has the second machine been played since paying out?  **0**  How many times has the third machine been played since paying out?  **0**  Martha plays 3 times before going broke. |