# Test Plan – Sounds Fishy

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) | Reading 1?**10**  Reading 2?**30**  Reading 3?**40**  Reading 4?**20** No fish  Reading 1?**3**  Reading 2?**8**  Reading 3?**12**  Reading 4?**20** Fish Rising  Reading 1?**12**  Reading 2?**10**  Reading 3?**7**  Reading 4?**3** Fish Diving  Reading 1?**1**  Reading 2?**1**  Reading 3?**1**  Reading 4?**1** Fish At Constant Depth |
| Boundary condition(s) | Reading 1?**-4**  Reading 1?**5**  Reading 2?**8**  Reading 3?**9**  Reading 4?**10** Fish Rising  Reading 1?**9**  Reading 2?**8**  Reading 3?**4**  Reading 4?**2** Fish Diving |
| Invalid input(s) | Reading 1?**fishy**  Reading 1?**9**  Reading 2?**8**  Reading 3?**4**  Reading 4?**2** Fish Diving  Reading 1?**:)**  Reading 1?**2**  Reading 2?**3**  Reading 3?**8**  Reading 4?**10** Fish Rising |