# 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? **1**  Reading 2? **2**  Reading 3? **3**  Reading 4? **4** Fish Rising  Reading 1? **4**  Reading 2? **4**  Reading 3? **4**  Reading 4? **4** Fish at constant depth  Reading 1? **4**  Reading 2? **3**  Reading 3? **2**  Reading 4? **1** Fish Diving  Reading 1? **4**  Reading 2? **5**  Reading 3? **2**  Reading 4? **1** No Fish |
| Boundary condition(s) | Reading 1? **0**  Reading 1? **4**  Reading 2? **3**  Reading 3? **2**  Reading 4? **1** Fish Diving  Reading 1? **4**  Reading 2? **3**  Reading 3? **2**  Reading 4? **bar**  Reading 4? **1** Fish Diving  Reading 1? **4**  Reading 2? **5**  Reading 3? -**2**  Reading 3? **2**  Reading 4? **1** No Fish |
| Invalid input(s) | Reading 1? **4**  Reading 2? **3**  Reading 3? **2**  Reading 4? **Ba3598273645r**  Reading 4? **1** Fish Diving  Reading 1? **4**  Reading 2? **5**  Reading 3? **-485skldgfhal2**  Reading 3? **2**  Reading 4? **1** No Fish |