# 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? **30**  Reading 2? **10**  Reading 3? **20**  Reading 4? **20**  **No Fish**  Reading 1? **10**  Reading 2? **10**  Reading 3? **10**  Reading 4? **10**  **Fish At Constant Depth**  Reading 1? **10**  Reading 2? **20**  Reading 3? **30**  Reading 4? **40**  **Fish Rising**  Reading 1? **40**  Reading 2? **30**  Reading 3? **20**  Reading 4? **10**  **Fish Diving** |
| Boundary condition(s) | Reading 1? **1**  Reading 2? **1**  Reading 3? **1**  Reading 4? **1**  **Fish At Constant Depth** |
| Invalid input(s) | Reading 1? **0**  Reading 1? **1**  Reading 2? **1**  Reading 3? **1**  Reading 4? **1**  **Fish At Constant Depth**  Reading 1? **adsjfhlaksdhfj**  Reading 1? **1**  Reading 2? **1**  Reading 3? **1**  Reading 4? **1**  **Fish At Constant Depth** |