# 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? **5**  Reading 2? **10**  Reading 3? **15**  Reading 4? **20**  **Fish Rising**  Reading 1? **20**  Reading 2? **15**  Reading 3? **10**  Reading 4? **5**  **Fish Diving**  Reading 1? **10**  Reading 2? **10**  Reading 3? **10**  Reading 4? **10**  **Constant Depth** |
| Boundary condition(s) | Reading 1? **0**  Reading 1? **10**  Reading 2? **10**  Reading 3? **10**  Reading 4? **10**  **Constant Depth** |
| Invalid input(s) | Reading 1? **FISH**  Reading 1? **10**  Reading 2? **10**  Reading 3? **10**  Reading 4? **10**  **Constant Depth** |