# 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? **20**  Reading 2? **50**  Reading 3? **20**  Reading 4? **30** No Fish  Reading 1? **20**  Reading 2? **30**  Reading 3? **50**  Reading 4? **70**  Fish Rising  Reading 1? **50**  Reading 2? **30**  Reading 3? **20**  Reading 4? **7** Fish Diving  Reading 1? **50**  Reading 2? **50**  Reading 3? **50**  Reading 4? **50** Fish At Constant Depth |
| Boundary condition(s) | Reading 1? **1**  Reading 2? **35**  Reading 3? **20**  Reading 4? **10** No Fish  Reading 1? **100**  Reading 2? **100**  Reading 3? **0**  Reading 3? **100**  Reading 4? **100** Fish at Constant Depth |
| Invalid input(s) | Reading 1? **Last**  Reading 1? **100**  Reading 2? **35**  Reading 3? **20**  Reading 4? **10** Fish Diving  Reading 1? **10**  Reading 2? **-100**  Reading 2? **60**  Reading 3? **850**  Reading 4? **1000** Fish Rising  Reading 1? **100**  Reading 2? **35**  Reading 3? **20**  Reading 4? **Ω**  Reading 4? **5000** No Fish |