Jennifer Y.

# Test Plan – Snow Calls

Necessary cases to test will vary by problem.

As a starting point, test plans should include cases that cover:

- the typical cases for the problem given
- the boundary conditions on all input values
- invalid inputs

| **Test Cases** | | |
|---|---|---|
| **Description** | **Given Input (in bold) and Expected Output** | **Points** |
| Typical case<br>• Covers translation of all individual letters to their respective numbers<br>• Also covers a number with no dashes<br>• Output is exactly as shown | **How many phone numbers will be provided?**<br>3<br>**Enter phone number 1:**<br>ABC-DEF-GHIJ<br>**This is 222-333-4445.**<br>**Enter phone number 2:**<br>KLM-NOP-QRST<br>**This is 556-667-7778.**<br>**Enter phone number 3:**<br>UVWXYZ0000<br>**This is 889-999-0000.** | 0 1 2 3 4 |
| Typical case<br>• Covers situation where input has more digits and numbers than needed in the input to produce a 10-digit phone number for the output<br>• All other output is exactly as shown | **How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>416-PIZZA-BOX<br>**This is 416-749-9226.** | 0 1 2 |

| Test Cases | | |
|---|---|---|
| **Description** | **Given Input (in bold) and Expected Output** | **Points** |
| Typical case<br>• Covers situation where input dashes are not in expected positions<br>• All other output is exactly as shown | **How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>99-SNACKS-99<br>**This is 997-622-5799.** | 0 1 2 |
| Boundary condition<br>• 10 is accepted<br>• All other output exactly as shown | **How many phone numbers will be provided?**<br>10<br>**Enter phone number 1:**<br>111-111-1111<br>**This is 111-111-1111.**<br>**Enter phone number 2:**<br>222-222-2222<br>**This is 222-222-2222.**<br>**Enter phone number 3:**<br>333-333-3333<br>**This is 333-333-3333.**<br>**Enter phone number 4:**<br>444-444-4444<br>**This is 444-444-4444.**<br>**Enter phone number 5:**<br>555-555-5555<br>**This is 555-555-5555.**<br>**Enter phone number 6:**<br>666-666-6666<br>**This is 666-666-6666.**<br>**Enter phone number 7:**<br>777-777-7777<br>**This is 777-777-7777.**<br>**Enter phone number 8:**<br>888-888-8888<br>**This is 888-888-8888.**<br>**Enter phone number 9:**<br>999-999-9999<br>**This is 999-999-9999.**<br>**Enter phone number 10:**<br>000-000-0000<br>**This is 000-000-0000.** | 0 1 2 |

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| Test Cases | | |
|---|---|---|
| **Description** | **Given Input (in bold) and Expected Output** | **Points** |
| Boundary condition<br>• 1 is accepted<br>• All other output is exactly as shown | **How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>123-456-7890<br>**This is 123-456-7890.** | 0 (1) 2 |
| Invalid input<br>• Input below range is rejected<br>• Input above range is rejected | **How many phone numbers will be provided?**<br>-1<br>**How many phone numbers will be provided?**<br>11<br>**How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>123-456-7890<br>**This is 123-456-7890.** | (0) 1 2 |
| Invalid input<br>• String input is rejected for how many numbers to expect | **How many phone numbers will be provided?**<br>one<br>**How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>123-456-7890<br>**This is 123-456-7890.** | (0) 1 |
| Invalid input<br>• Decimal input is rejected for how many numbers to expect | **How many phone numbers will be provided?**<br>1.3<br>**How many phone numbers will be provided?**<br>1<br>**Enter phone number 1:**<br>123-456-7890<br>**This is 123-456-7890.** | (0) 1 |

**Total score** 2 **/ 16**

**Comments**

Issues w/ code formatting prevented you from seeing that you had code in a loop where it should not have been. Use Cmd-A, Ctrl-I frequently. Be sure to prepare thoroughly for the culminating task. See Edsby. You can do it! -RG.