

For this problem we can keep a set of every house we've visited and a variable which tracks the current house we are on. For each instruction we simply go:

- Execute current instruction ($i += 1$, $i -= 1$, $i = 0$)
- Is i in the set of seen houses?
- If not, add i to the set of seen houses

After all instructions are executed you can simply output the length of the number of seen houses.