

Sample Input and Output

Sample Input 1	Output for Sample Input
5 5 3 0 3 5 3 0 1 5 4 0 2 5 4	We're doomed Mr Frodo!
Sample Input 2	Output for Sample Input
5 5 3 0 1 5 3 0 3 5 1 0 2 5 2	We can make it Mr Frodo!
Sample Input 3	Output for Sample Input
4 4 3 0 1 3 3 0 3 1 3 4 3 1 1	We can make it Mr Frodo!

The following diagrams are images for the Sample Inputs:

