Sample Input and Output

Sample Input 1	Output for Sample Input
5 5 3	We're doomed Mr Frodo!
0 3 5 3	
0 1 5 4	e.Taldolod2:H
0 2 5 4	

Sample Input 2	Output for Sample Input
5 5 3	We can make it Mr Frodo!
0 1 5 3	is a policies, are smiller ground para solutions
0 3 5 1	on many has cuts Copyrish to subsolid the esting of
0 2 5 2	the pairs beet

Sample Input 3	Output for Sample Input
4 4 3	We can make it Mr Frodo!
0 1 3 3	A SEC TABLE SECULO SINCE A VALUE ASSET AND ASSET AND ASSET AS A SECULO S
0 3 1 3	an has a mode growd. Sting that can cut through the
4 3 1 1	exhibited from their adventions we Samporly but the

The following diagrams are images for the Sample Inputs:





