

CENG 113 Programming Basics

HOMEWORK #4 (Update)

The previously given inputs are changed as below because they require a very long execution time. In addition, the expected outputs are given below. Please update your code accordingly before the submission.

New Inputs:

```
{H=10, N=3, L=4}  
{H=7, N=5, L=3}  
{H=9, N=1, L=2}  
{H=12, N=2, L=5}  
{H=6, N=5, L=1}
```

Expected Outputs:

```
minNumOfTrials(10, 3) = 4  
numOfWays(4) = 10946  
bfMinNumOfTrials(10, 3) = 10  
  
minNumOfTrials(7, 5) = 3  
numOfWays(3) = 987  
bfMinNumOfTrials(7, 5) = 7  
  
minNumOfTrials(9, 1) = 9  
numOfWays(2) = 89  
bfMinNumOfTrials(9, 1) = 9  
  
minNumOfTrials(12, 2) = 5  
numOfWays(5) = 121393  
bfMinNumOfTrials(12, 2) = 12  
  
minNumOfTrials(6, 5) = 3  
numOfWays(1) = 8  
bfMinNumOfTrials(6, 5) = 6
```