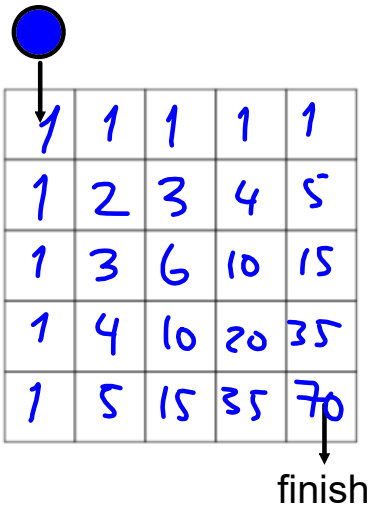
Applying Pascal's Method

Feb 13/2020

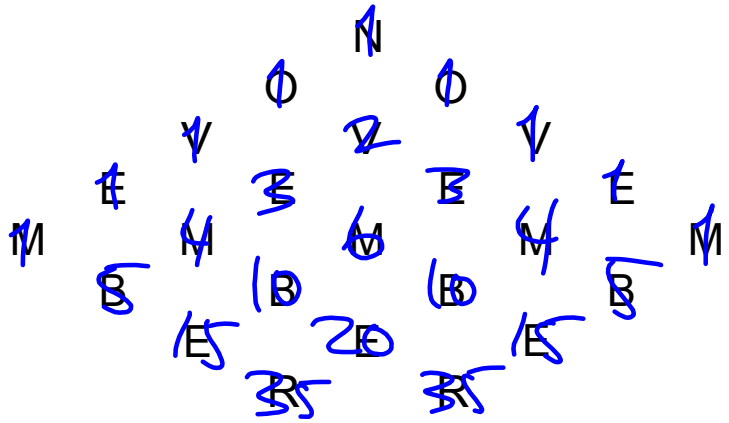
How many paths can the coin be moved from the top-left to the bottom-right, by **only moving down or right**?



∴ there are 70 possible paths.

Jan 9-1:46 PM

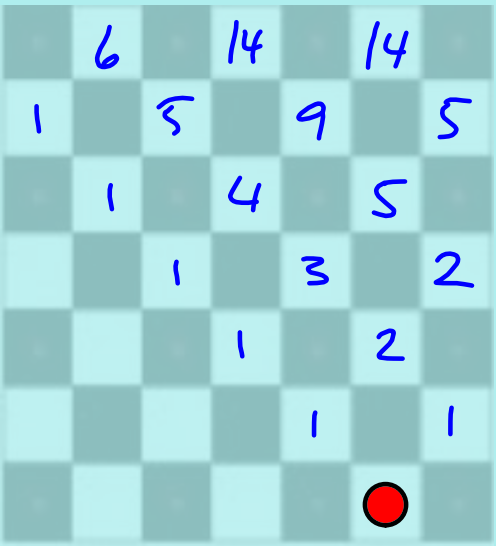
Ex. Use Pascal's method to determine how many paths spell "NOVEMBER", starting at the top and always moving down to the left or right.



∴ 70 ways to spell the word.

Oct 2-9:47 PM

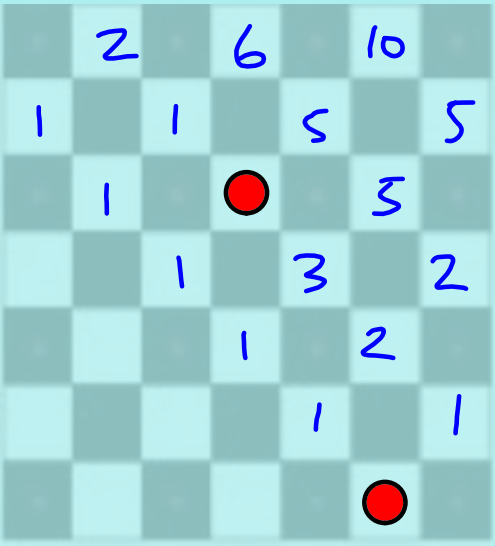
Ex. The red checker can only travel diagonally upward. How many paths to the top (a) with no restrictions?



paths = 6 + 2(14)
= 34

Oct 2-9:58 PM

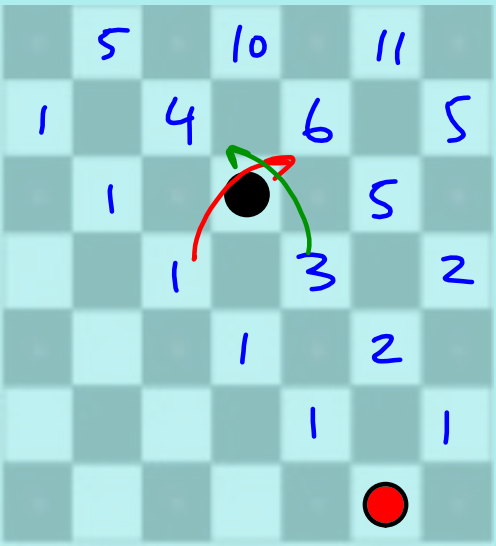
Ex. The red checker can only travel diagonally upward. How many paths to the top (b) blocked by red?



18 paths

Oct 2-9:58 PM

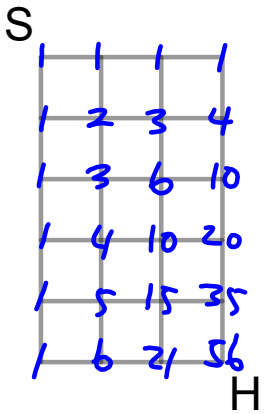
Ex. The red checker can only travel diagonally upward. How many paths to the top (c) jumping over black?



26 ways

Oct 2-9:58 PM

Ex. School is 5 blocks north and 3 west from home. How many paths from home to school, assuming only up and left are valid directions?



∴ there are 56 paths.

Oct 2-10:00 PM

Assigned Work:

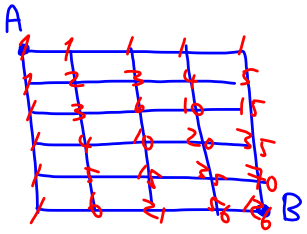
p.256 # 2, 3, 4, 7a, 11, 14

3. 1 16 120 560 1820 4368 8008 11440 12870

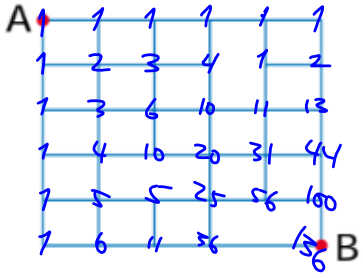
1 15 105

1 17 136

4. (a)

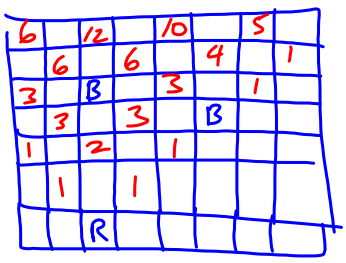


(c)



Oct 2-10:04 PM

7(a)



33 total

11.

1 4 6 4 1

1 3 3 1

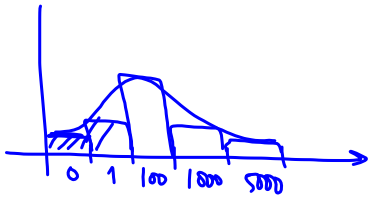
1 2 1

1 1

1

5000

to hit $5000, slot 3 or 4



Feb 14-12:51 PM