05 September 2022

Tiling Problem:-

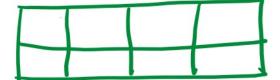
Given with 22m board and tiles of size "2+1"
Count no. of ways to the tile so that you can
fill the board



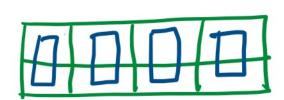




2xn => bound size.







All tile vertically.





All file horizontally.

3

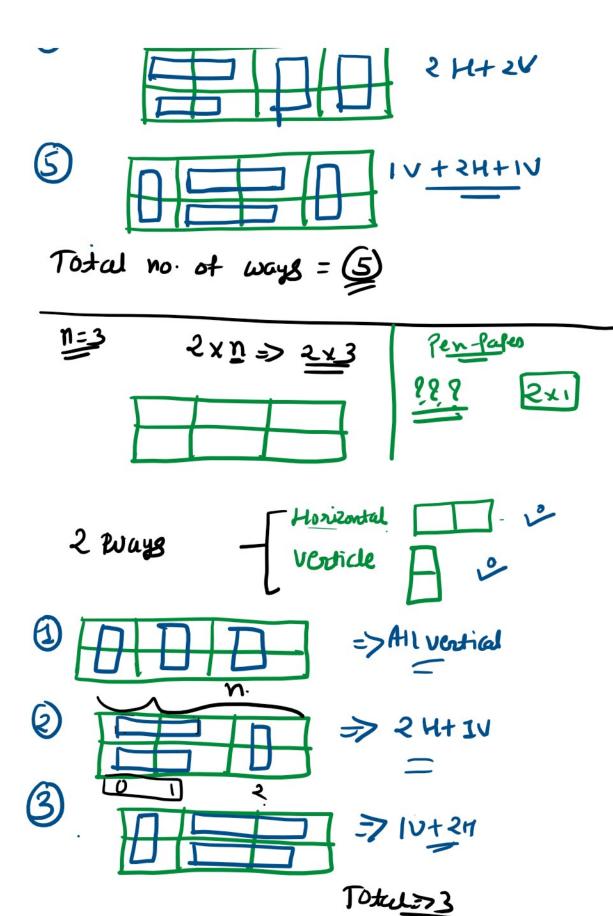


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4



2 H+ 2V



n=1







2 x 2 11 n = = 2 // retan n n = 2 Lo return no Countways (n) 5 Countway (n-2) // Countway (n-1) / Given on int no. Tetun => how many minimum Steps to convert n 少立 1. Bubtract n by 10 2. if n divided by 2, divide no by 2. 3 if n divided by 3 > divide no by 3. $\frac{7-1}{5} = \frac{6}{3} = \frac{2}{2} = \frac{1}{2}$ n = 7

0/8 => 12 0,000

0/8 => 3 BH 10/2 = 5-1 = 4/2 = 2/2 = 1 N=10 14 8+cp3 10-1 = 9/3 = 3/3 1/12 d PCi] = dPCi-1]+1 // de [2] = dp[1]+1 [2, dp(2)+1) draj = O+F1 min (decil, deci/2]+1) min (1, de(2/2)+1) min (1) dp(1)+1) >> (1,0+ min (1, 1) => 1 min (April do (i)

3 min (dP[i], dP[i/3]t] min (2, dP(i)+1)

min (2, 0+1) =>

min (2,1)=7

机的 amant - 8 68 if camount note Counter [i] = floor (a mount / notes [i])

amount - notes Counter [i] + notes [i]

341-200 ×1 => (65)