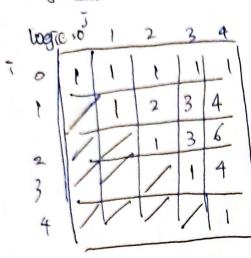
leaving ourse



Have 2 for loops with the variables 7 and 3

- O if 7= J wan we are on the diagonal side of the dynamic programming where dp [1] [] = 181
- 2) If 7=0 then dptiltil where 7=0 then dptoltil =1
- (3) when $0 < \overline{i} < \overline{j}$ when $dp(\overline{i})(\overline{j}) = dp(\overline{i})(\overline{j}+1) + dp(\overline{i}-1)(\overline{j}+1)$

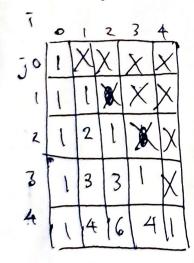
Relation recurrence =

$$T(x) = \begin{cases} dp \ [7] \ [7] = 1 \ , \ 7 = = 5 \end{cases}$$

$$dp \ [7] \ [7] = 1 \ , \ 7 = = 0$$

$$dp \ [7] \ [7] = dp \ [7] \ [7 - 1] + dp \ [7 - 1] \ [7 - 1]$$

after coding



The first for loop will go from 0 to the numbours (the number that was placeded by the user). The variable i would loop through 0 to numbours. The variable j would loop through 0 to i. This win ensure that the chape of the talde is a triangle. The recurrence relation would be the same as above.

there are two for toops that are occurring.

I also charged the montation of my tuble.

USA <1587 < Integer>>> Away Restut = now Amony LEA <> ();
Would store the entire enoughe.

At each first for loop, a new Anaylist of an win be created. They will then be added to the measure Awaykeouth after.