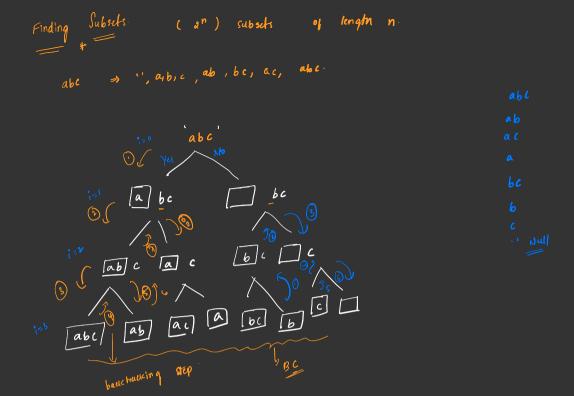
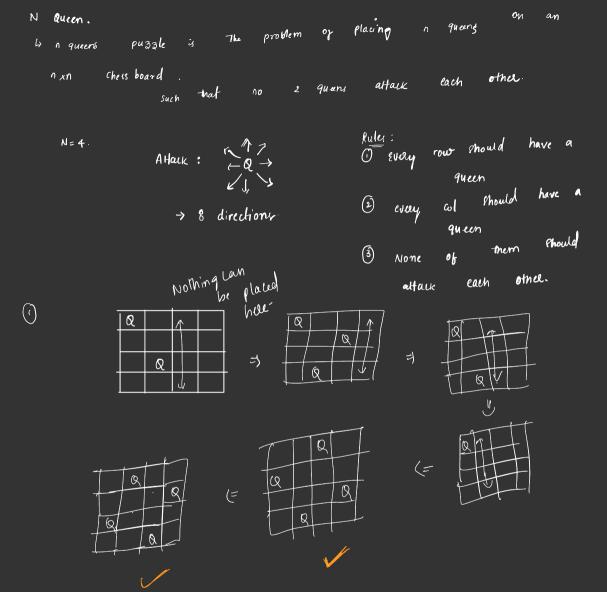
$\begin{array}{c} (ax, 1) = 1 \\ (ax, 1, 2) \\ (ax, 1, 2) \\ (ax, 2, 3) \\ (ax, 3, 4) \\ (ax, 3, 4) \\ (ax, 4, 5) \\ (ax, 4, 5) \\ (ax, 5, 6) \\ (ax, 5, 6)$ print (au) Made with Goodnotes



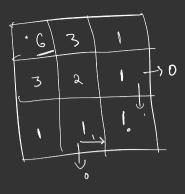


tow & where to Place Queen ?? This isn't req to Check as he are through col going Wise. This side with reg to cheuc cy we go col by col Made with Goodnotes

M coloring Graph Coloring b pecision, snumeration problem. f(u)

| to | to | n = | kn(a) 2) | sc + 0(N) + 0(N) fixed ways: of ways to reach find num en NXM (N-1, m-1) (0,0) to frid. mover = right, down Allowed Cell (x,y) Right / 3 140= 0\$1 (x, y+1) (x+1, y)WI of su = -(u-1'w-1); 96 waysn um $\exists f(x,y) = f(x+1,y)$ doun + f(21,41)

k'ight



T.L= 2 (N+M)-

→ Sudoku.

l	5				7	8			2
Ι	6	1	ર	1	9	5	3	Ч	8
I		9	8	3	प	2	5	۷	7
l	8	5	9	4	C	1	ષ	2	3
l	ч	2	6	8	5	3	7	٩	ι
I	7	1	3			4	8	5	4
l	9	6		5	3	7	2	8	4
	2	8	7	4	ı	9	6	3	5
	3	4	5	2	В	9	t	7	9

object only once
in any levery
row col

