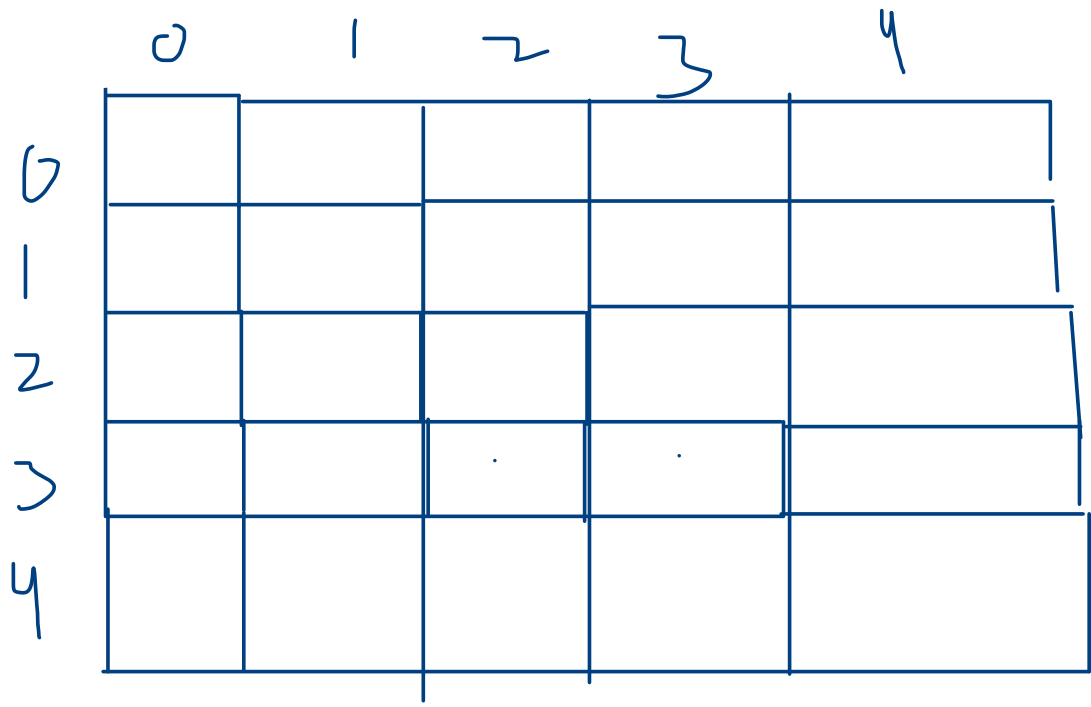
Triangle

2
3 4
6 5 7
4 1 8 3



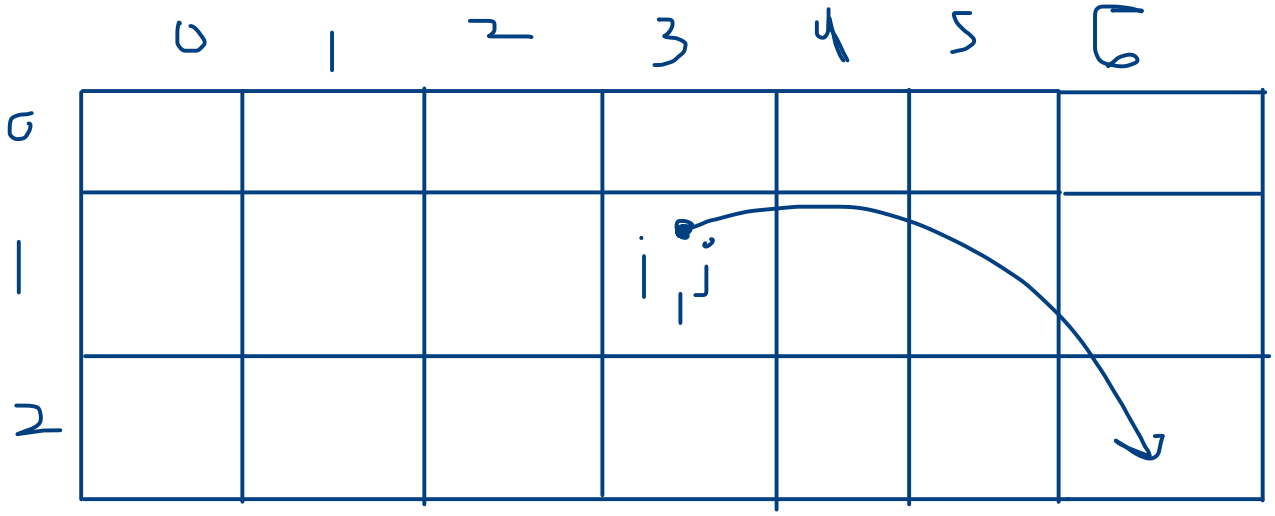
bottom is destination

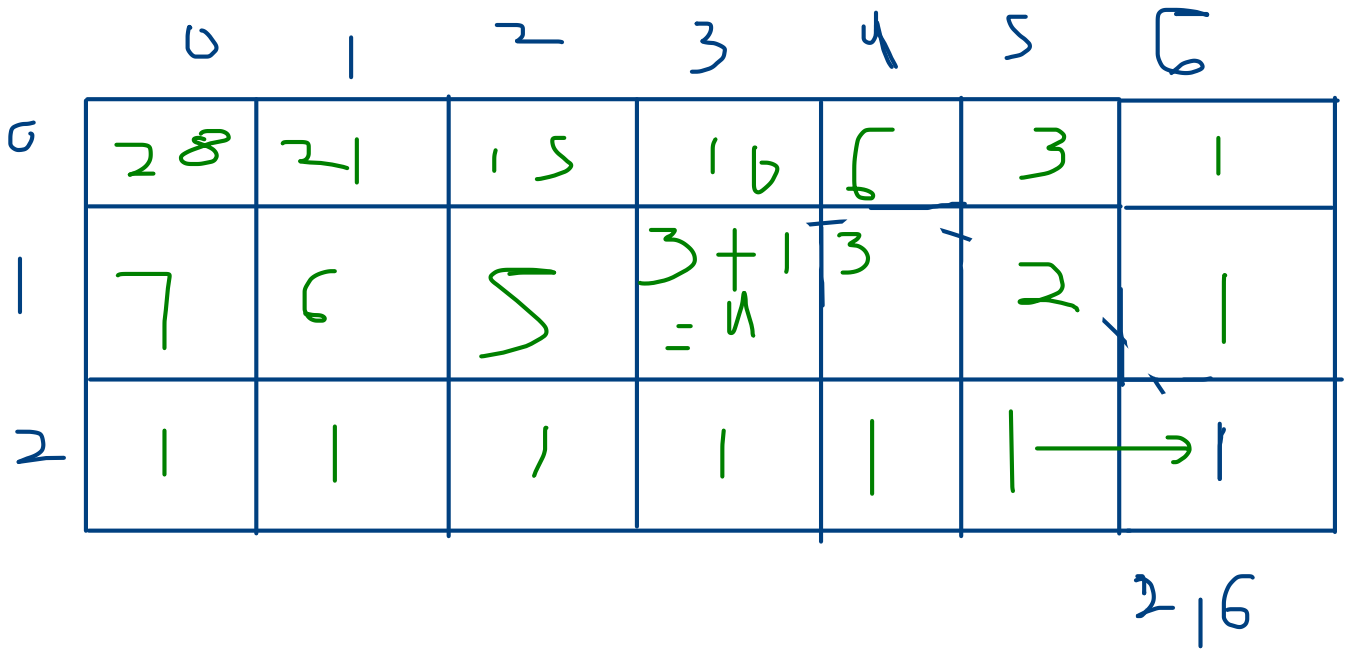
$m = 4$

Unique Paths I

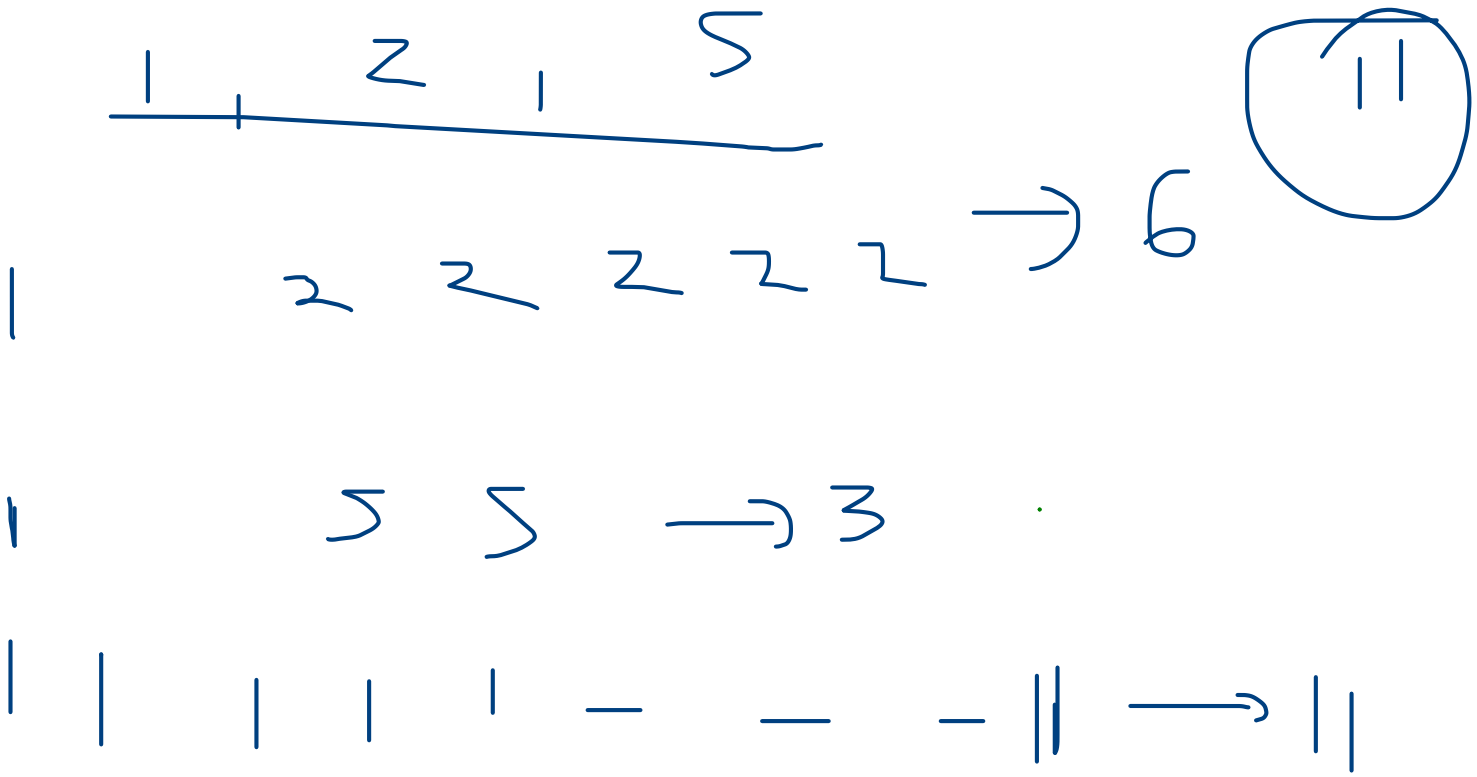
$m = 3$

$n = 7$



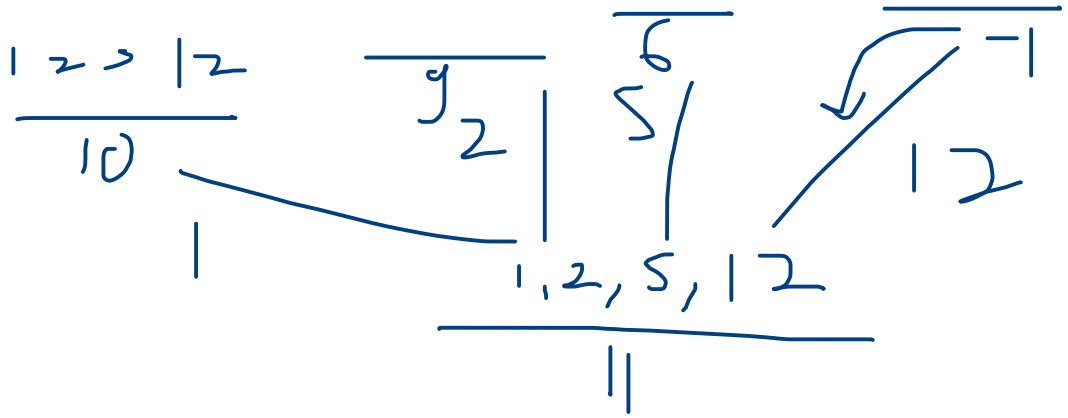

0 1 2 3 4 5 6
0
1
2
28 21 15 16 8 3 1
7 6 5 3+1=4 3 2 1
1 1 1 1 1 1 1
216

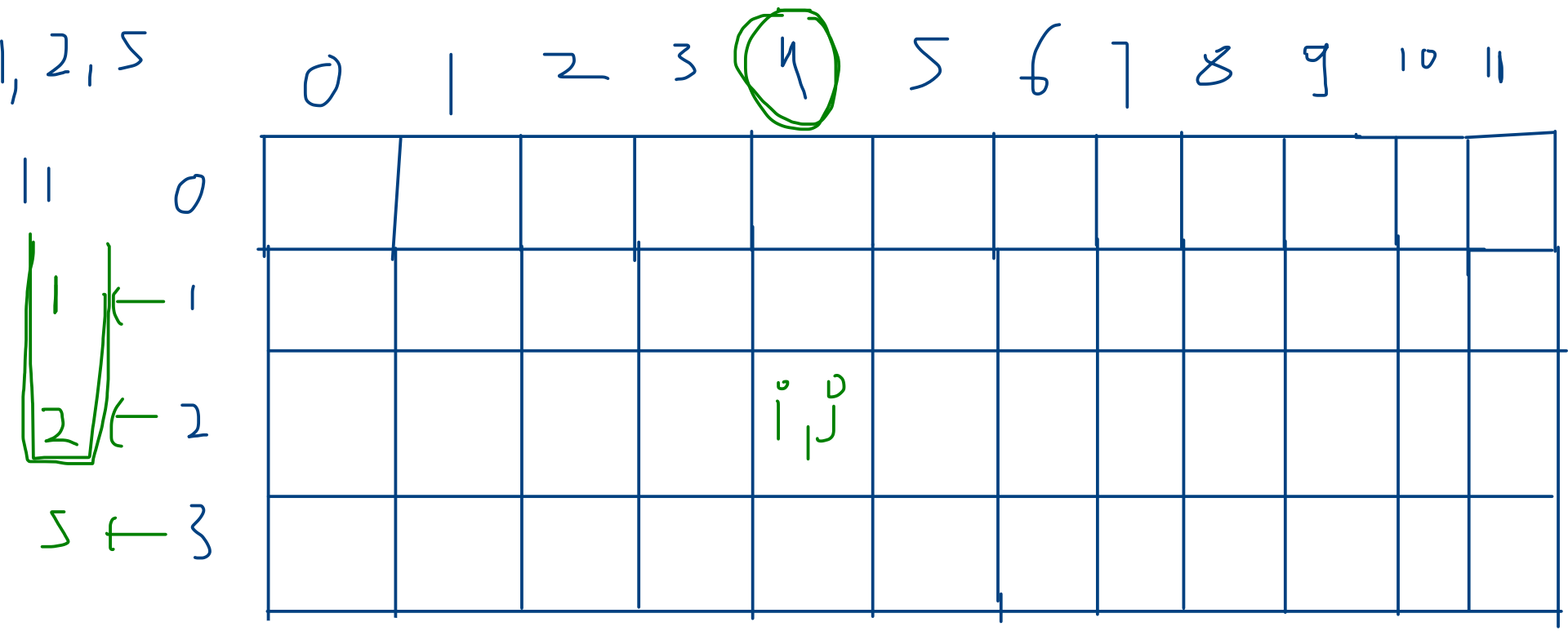
Coin Change



1, 2, 5, 12

t = 11





dp(i,j) --> min number of coins I need to make jth amount using 0 to i coins

1, 2, 5

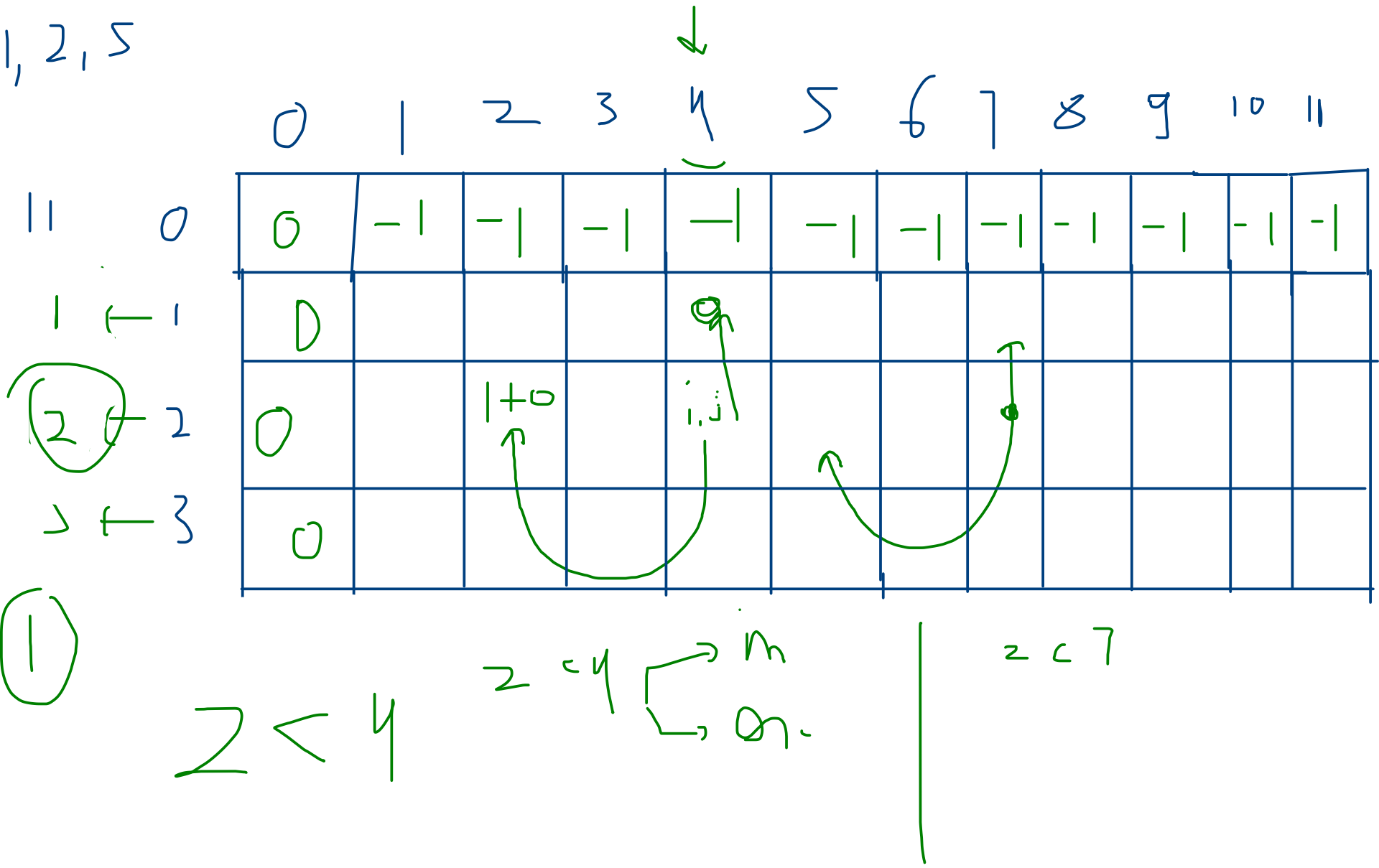
		0	1	2	3	4	5	6	7	8	9	10	11
11	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1 ← 1		0											
2 ← 2		0		1+0		i, j							
3 ← 3		0											

1

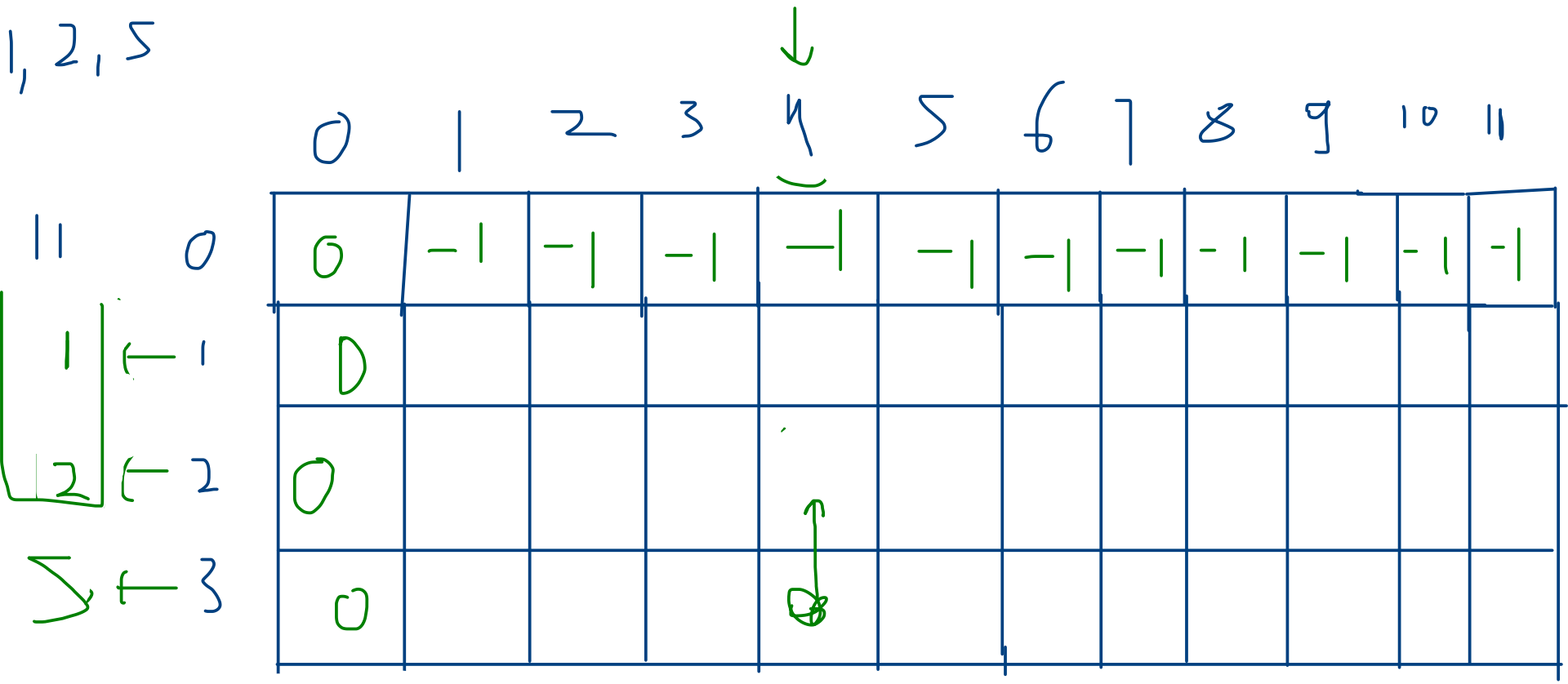
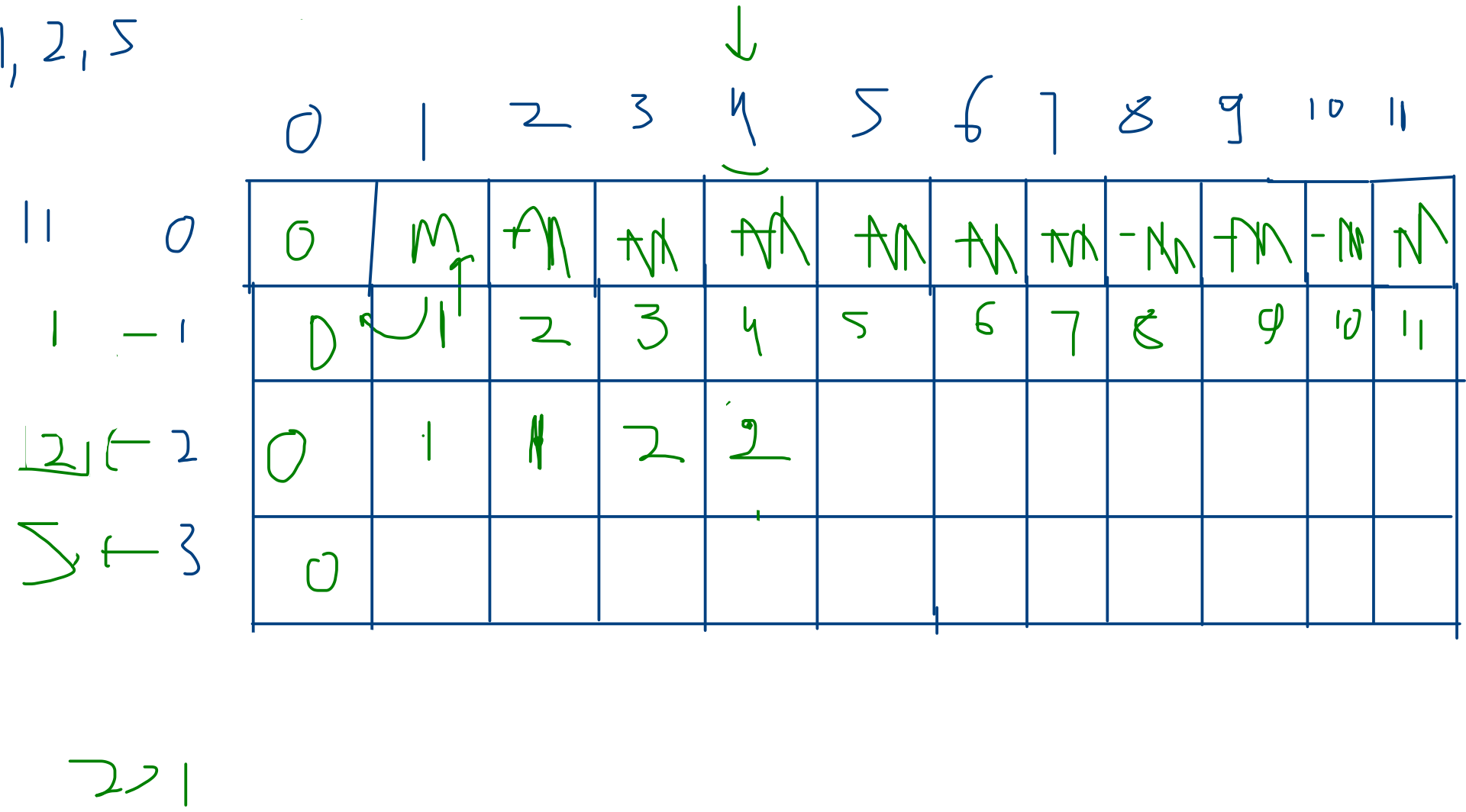
$2 < 4$

$2 < 4$ → m, on.

$2 < 7$



1, 2, 5



$5 > 4$