

Coin change

→ we are given 25, 10, 5, 1 → cents, and
we are give n → and we need to find ways
with which this is possible → no. of ways

(1)
 (1, 25) (1, 10) (1, 5) → This will be
exponential time
→ so how to do it with DP.

2d dp → $dp[n+1][m]$

[1, 2, 3] → $n = 10$

	$\begin{matrix} [1] \\ 0 \end{matrix}$	$\begin{matrix} [2] \\ 1 \end{matrix}$	$\begin{matrix} [3] \\ 2 \end{matrix}$
0	1	1	1
1	1	1	1
2	1	1	1
3	1	1	1
4	1	2	1
5	1	2	2
6	1	3	3
7	1	3	4
8	1	4	5
9	1	4	7
10	1	5	8

= 14