

The below algorithm can be improved with memorization space & time? O(n)	n,
Iterative approach:	
recurrence relation!	
if decoded one way only dp[i] = dp[i-1] => + s[i] != '	01
if decoded two way only dp[i] = dp[i-2] + S[i-1:i+1] where	== 1 X O @ X = 1, 2
ij decoded both ways $dp[i] = dp[i-1] + dp[i-2]$	
¥ s[i-1:i+1] > 10 & ≤ 26	
26110 $dp = 11224$ Check-code simple to understand time & space = $O(n)$	2
In previous approach we see we are only using last two values of dp to calculate the answer. instead of keeping the whole array we only keeping the whole array we only keeping the last two dp[i-1] and dp[i-2] and keep upd them. Space complexity - O(1) Time = O(n)	cep
	Iterative approach: The currence relation: If decoded one way only defield = defield application application application and time & space = O(n) In previous approach we see we are only using last two values of deptication and defield and defi