Best Tire to Buy and sell stody >DP

logici

b 2 3 456 pices = [+, (,5, 3,6,4]

We want the max publit that we can achieve.

pulit = 5

	a use dynamic	programming again,
£ .	tode /approach=	T=current day

•	0	-(2	3	4	5	6
0	0	a	0	0	0	0	0
t	0	0	0	0	0	0	Ð
2	0	0	0	4	2 (5	3
3	0	0	0	0	0		0
4	0	0	٥	0	0	3	1
	10	0	2	0		^	n

7=current day J= next day

puices = [7,6,4,3,1] profit = 0 -> reans like when the 184 is in

T=J= 10ngth of the puces

descending order, the pufit will naturally be 0 because we are not gaining any wind of pufit the values after the day 1 will heep on detertuating

if prices[i] > prices[j]

from then and then it heeps going downward from then.

put 0

Coccense publit 13 in negative which means no public technically)

From the table, we will then look for the largest number which we know is 5 which 15 basically the profit that we were alse to earn technically. The table will then produce the pwift that helps us to answer the Q

If pulces [i] < pulces [j] dp[i][j] = puices [j] - puicas [i] if a negvalie is obtained, put o. ([===]) ap[i][j] = 0 >> Because no puelt if we are company the

same day basically To do this property, we will have our prices list with our two pointers called ? and J. These pointers will allow up to fix our table. The recurrence relation it as such =

The time complexity for this question will be our). The potential is the memory archeed. So rustled of this, we could have a variable to keep track of our max value This will make it completed by och) time