

	٥	1		_	0	Ţ.
-1	Ō	P- ·	F .	- 1	_ 🗷	- W
0	0	2 0, 1		0	_ %	7-7
- 1	0	0,0	ı	1	ط _	-1
2	0	(9)		2	_ p ~	- '
3	٥	1,72 E		3	_ &	ا م
7	0	フ		1	- <i>y</i> 2	0
5	0	7		5	- X	3
x=OD				n=17		

×

{7, 1, 5, 3, 6, 9}

```
public int maxProfit(int[] prices) {
   int n = prices.length;
   int[] dp0 = new int[n];
   int[] dp1 = new int[n];
   for(int i=0; i<n; i++){
      if(i==0){
          dp0[i] = 0;
          dp1[i] = - prices[i];
      dp0[i] = Math.max(dp0[i-1],dp1[i-1]+prices[i]);
      dp1[i] = Math.max(dp1[i-1],dp0[i-1]-prices[i]);
   return dp0[n-1];
Jeoi - Apli
```

```
public int maxProfit(int[] prices) {
    int n = prices.length;

    int[] dp0 = new int[n];

    int[] dp1 = new int[n];

    for(int i=0; i<n; i++) {
        if(i==0) {
            dp0[i] = 0;
            dp1[i] = - prices[i];
            continue;
        }

        dp0[i] = Math.max(dp0[i-1],dp1[i-1]+prices[i]);
        dp1[i] = Math.max(dp1[i-1],dp0[i-1]-prices[i]);
    }

    return dp0[n-1];
}</pre>
```