Revision 123 45 Sub arrany -> n=5 N(U+1)102,343 121 232 1232 0121 123 93 123 43 123 454 23454 (a) 2 3 2 012343 0123454 3454

$$n=9$$

ans: 
$$-\frac{1}{100} = \frac{1}{100} \times \frac{1}{100} \times \frac{1}{100} \frac{1}{100} \times \frac{1}{100} = \frac{1}{100} \times \frac{1}{100} \times \frac{1}{100}$$

**~** 0

```
//logic
int ans = Integer.MIN_VALUE;  // should be max.
int sum = 0;  //current sum

for(int i = 0; i < n; i++){
    if(sum < 0){
        // start new
        sum = A[i];
    }
    else{
        // sum >= 0 -> add with prev
        sum += A[i];
    }
    ans = Math.max(ans, sum);
}
System.out.println(ans);
```

```
class Solution {
                                                             0(1)
   public int maxSubArray(int[] nums)) {
      int ans = Integer.MIN_VALUE;
                                        // should be max.
                        //current sum
      int n = nums.length;
      for(int i = 0; i < n; i++){
          if(sum < 0){ =
              // start new
              sum = nums[i];
          else{
              // sum >= 0 -> add with prev
              sum += nums[i];
          ans = Math.max(ans, sum);
       return ans;
                    oln3 tn2+n) sch3
```

nax prod. of sub

## Input: nums = [2,3,-2,4] Output: 6

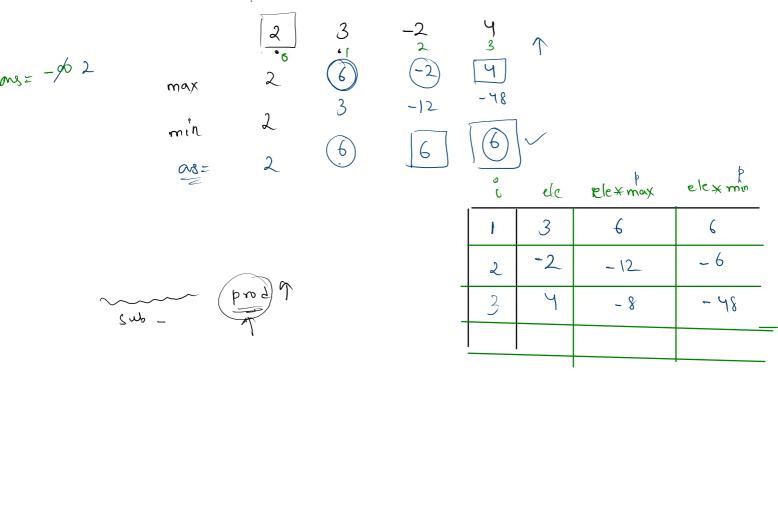
$$\frac{4(c)}{2}$$

$$\frac{-2}{2}$$

$$\frac{-2}{3}$$

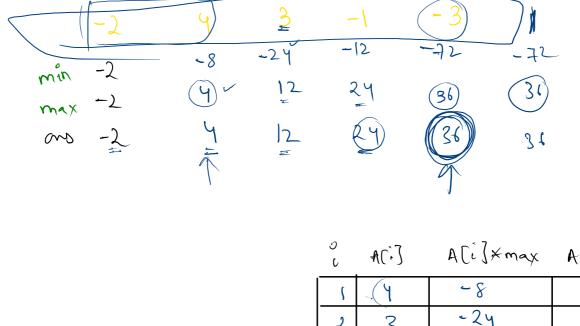
n = 4

max mun ons 100 f ms = -0 m ps. -12 min ex min 616 exma 3, 3×2 3×2  $\frac{-2}{4}$ ,  $\frac{-2\times6}{4\times-2}$ ,  $\frac{-2\times3}{4\times-12}$ 



 $\frac{2}{3}$   $\frac{3}{-2}$   $\frac{48}{2}$   $\frac{3}{-12}$   $\frac{48}{-12}$   $\frac{48}{-12}$   $\frac{6}{3}$   $\frac{6}$ 

	0 V	A(i)	A[i]x max	A(i) * min
$\frac{3}{2}$	ł	3	6	6
-2	2	-2	-12	- <b>6</b>
2 3 - 2	3	4	- 8	-48
(23)	Ч	-1	-4	48
9 3-2			•	



	U	A(;]	A[i]×max	ALC1 * min
	ſ	<del>\( \frac{1}{2} \)</del>	-8	-8)
	2	M	-24	2
	3	٦ /	-12	24
	7	-3	-72	<del>(1</del> 36)
_		1		
	•	I		

+2 4 3 -3

min 
$$\frac{2}{3}$$
  $\frac{3}{-12}$   $\frac{-12}{6}$   $\frac{2}{6}$   $\frac{2}{6}$   $\frac{2}{6}$   $\frac{2}{6}$   $\frac{3}{6}$   $\frac{2}{3}$   $\frac{3}{2}$   $\frac{3}{2}$   $\frac{2}{3}$   $\frac{3}{2}$   $\frac{3}{2}$   $\frac{2}{3}$   $\frac{3}{2}$   $\frac{3}{2}$   $\frac{2}{3}$   $\frac{3}{2}$   $\frac{3}{2$ 

```
class Solution {
  public int maxProduct(int[] A) {
    int min = A[0];
    int max = A[0];
    int ans = A[0];

  for(int i = 1; i < A.length; i++){
      int prevMin = min;

      min = Math.min(A[i], Math.min(A[i]*min, A[i]* max));
      max = Math.max(A[i], Math.max(A[i]*prevMin, A[i]* max));
      ans = Math.max(ans, max);
    }
    return ans;
}</pre>
```