

(2) -2 4

(-5) -2 4 -7

$$avil = \begin{bmatrix} 3 & -2 & 4 & -7 \\ 0 & 1 & 2 & 3 \end{bmatrix}$$

$$maxSum = -\infty 35$$
  
 $sumSoFor = 03 X 5 - 2$ 

$$i = 0 \longrightarrow 3$$

$$i = 1 \longrightarrow -2$$

public static int kadanesAlgo(int[] arr, int n) { int maxSum = Integer.MIN\_VALUE; int sumsf = 0; for (int i = 0; i < n; i++) { if (sumsf < 0) {
 sumsf = arr[i];
} else {</pre> sumsf = Math. max (avril), sund sumsf = sumsf + arr[i]; max Jum = max ( maxsum) c if ( sumsf > maxSum ) {
 maxSum = sumsf; sumst); return maxSum;

over 
$$-2 \ 3 \ 2 \ -7 \ 3 \ 6$$

max Sum =  $-90 \ -2 \ 3 \ 9$ 

sum sf =  $0 \ -2 \ 3 \ 8 \ -2 \ 3 \ 9$ 

## Maximum Product Subarray 2

$$arcr = 2 3 -2$$

$$(3) -2$$

$$(1) 2 3$$

$$(-12) 2 3 -2$$

$$(-48) 2 3 -2 4$$

$$M = 6$$

manist = 15 minisf = -3exclude -3 90 15 minist = 45 & -6

000

```
public static int kadanesAlgo(int[] arr, int n) {
    int maxisf = 1;
    int minisf = 1;
    int result = 0;
    for (int i = 0; i < n; i++) {
      if ( arr[i] > 0 ) {
    maxisf = Math.max(maxisf, maxisf * arr[i]);
    minisf = Math.min( minisf * arr[i], 1 );
                                                                  cworEle = 2 8 -2 8 4 -4
       } else if ( arr[i] == 0 ) {
                                                               marsf=XZ&XXXI
             int temp = maxisf;
             maxisf = Math.max( minisf * arr[i], 1 );
             minisf = temp * arr[i];
       if ( result < maxisf ) {
             result = maxisf;
    return result;
```