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**Algorithm** Find the length of the subarray with the maximum sum

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**Ensure:** One Based Indexing

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1: function KADANE(Arr, len)  
   ▷ start[i] denotes the length of the maximum sum subarray which starts at the i – th index  
  
2:   start[len]  $\leftarrow$  a[len]  
3:   for i = len – 1 : 1 do  
4:     start[i]  $\leftarrow$  max(a[i] + start[i + 1], a[i])  
5:   return Maximum element of Start array
```

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