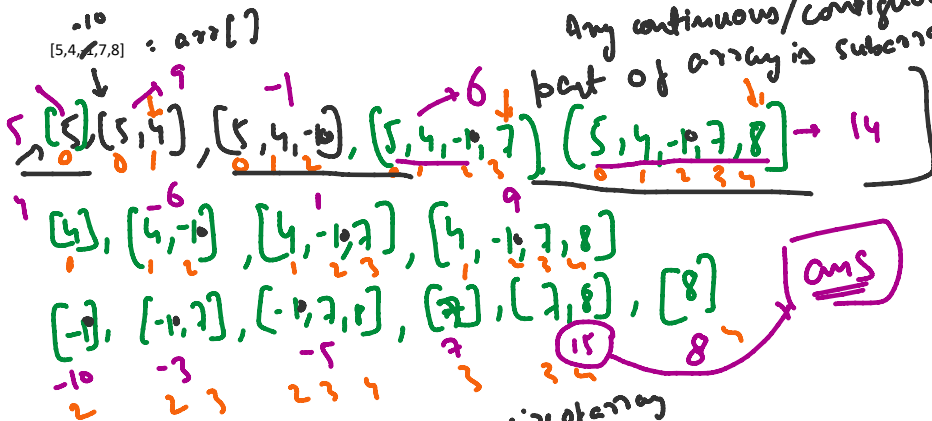


Kadane's algorithm

29 June 2023 22:03

Ans:- find the subarray with max sum.
Any continuous/contiguous part of array is subarray

Sum = 0.



ans = max(sum, ans)

ans = 15

4 bytes
int ans = INT_MIN
(-10)

min of array
(-1, -2, -3)

for (int i = 0; i < n; i++)
 // each element

 int sum = 0;
 for (int j = i; j < n; j++)
 // extension

 // Now Sum values from index i to j

 int sum = 0;
 for (int k = i; k <= j; k++)
 { sum += arr[k]; }
 // sum of that extended subarray
 // [i ≤ k ≤ j]

 ans = max(sum, ans);

4
3

[5, 4, -1, 7, 8]

9 - 10 = -1

5, 4, -1, 7, 8

5, 4, -1, 7, 8

5, 4, -1, 7, 8

5, 4, -1, 7, 8

ans

~~INT-INT~~

sg
(15)

ans = max(cscs, ans)
if cscs < 0
cscs = 0;

+
0
7
15

5