15 JUNE
THURSDAY

M T W T F S S M T W T F S S M T W T F S S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31

Kadans Algorithm.

nums = [-2, 1, -3, 4, -1, 2, 1, -5, 4].

① Every index can be our final index.

② dp[i] = max(dp[i-1] + nums[i], nums[i])
= max(dp[i-1], 0) + nums[i].

nums = [-2, 1, -3, 4, -1, 2, 1, -5, 4].

dp[= [-2, 1, -2, 4, 3, 5, ⑥ 1, 5].

currSum.

currentSum = max(0, currSum) + nums[i]

maxSum = ~~-2, 1, -2, 4, 3, 5, 6~~
-2, 1, 4, 5, ⑥