Split Array Largest Sum:

Typical minimum of maximum/ maximum of minimum problem.

Binary Search.

eg. nums= [7, 2, 5, 10,8]

(T) (2,5,10,8) -> 25

② [7,2] [5,10,8] → 23

(3) [7,25) [10,87→ 18 ← minimun y

(7145,10) (8) -> 24

Let's try to build intuition: -

range: - max(nums) -> sum(nums)

Let 5 be the maximum sum of any subarray, check if total subarrays = = 2.

y in [7,2,5,10,8] 10 = 10 h = 7 +2+5+10+8=32 mid = 21 18- 31)

(7,2,5)(10)18) 21 7,25 hi= mid

23 24 25 14 10, 8 18, 19 18 21 19 mid 1 kl 18,61 15,2'

There will be a raryl of mid where I subarrays = k

while (10 (hi) L if (test (mid) 7\$) hi= mid clse lo=mid+1;

return lo

// debuyging g a= [],]] 4=1

lo= 1, h= 2

1 mid=L (1,1) 1 (111) THEXT

return am= 2i

fost 7 mid

10 = 2

