Sourching

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on Fraph

Birary Seach -Binary seath says that if you have a seach state at size in them we can devide the stace in my - by warding

1 AND PL)

$$T(n) = T\left(\frac{n}{2}\right) + O(1) \rightarrow comparison$$

$$T(n) = T\left(\frac{n}{2}\right) + O(1) \rightarrow comparison$$

$$T(n) = T(n/2) + O(2)$$

$$T(n/2) = T(n/4) + O(1)$$

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$$n/2$$
) = $T(n/4) + 011$
 $(n/4) = +(...)$
 $(...)$
 $= T(1) + 0(1)$

$$\frac{1}{4} + \frac{1}{8} = \frac{1}{4} + \frac{1}{4} = \frac{1}$$

QUES find the first index that is greater or + gual + wright? tonget= 30 > lover band m=1 uppor baind lo+hi +lo-lo ato + Ai-lo

7 (6,7,9,15,19,2,3 target + 1 Given on array, find any clament in our ay such that it fallows the fallowing condition ali) Joli+1) (ifi+1 prist) arij Lati-1) (it i-1 exilt)

roated souted array find the inter of target

Ju -

Com A.

278. First Bad Version

Easy ⚠ 5278 **ॎ** 1963 **♡** Add to List **⚠** Share

Out or Given a 2 to avoing, find the Peak element in & Daving

(no adjoint elemential equal)

Example 1:

-1	-1	-1	-1
-1	1	4	-1
-1	3	2	-1
-1	-1	-1	-1

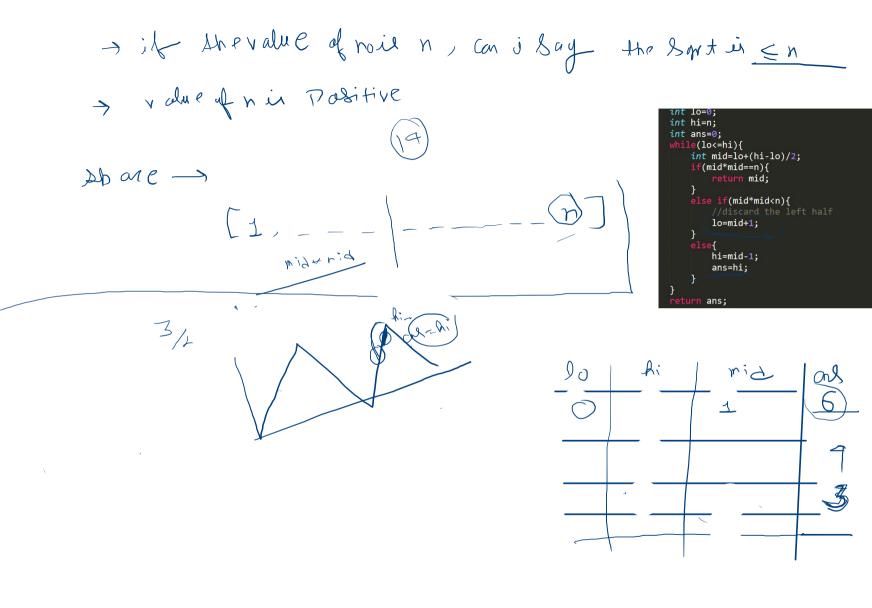
Input: mat = [[1,4],[3,2]]

Output: [0,1]

Explanation: Both 3 and 4 are peak elements so [1,0]

and [0,1] are both acceptable answers.

all > Given a number h, (n<105) find the Square roat of h (oly In+ value) don't me immild library (m) og) y = 36 = 6Binary seach on answer



There are no nectangle of some size (w+h) find a Square of Smallest size into which all of the n nextangle can be placed (Ratation is not pallowed) W=2 A=3

one of the Sides of nectorale will cover a square side confictly FLX161 MOX (A, W) worst last

WILLIN height for may voctorage con we fit > N Firm mid hasizontally - (mid)

A arizontally (mid mid x mid we confit
n rectangles @vertially