

13 Apr 2023

	0	1	2	3	4	5	6	7	8
arr	1	1	1	1	1	1	1	0	0
	l				h	l	h	l	h
							h	l	
								h	h

cnt = 0

l = 0

h = 8

while (l <= h)

{

$$m = \frac{l+h}{2} = \frac{0+8}{2} = 4$$

$$m = \frac{5+8}{2} = \frac{13}{2} = 6$$

$$m = \frac{7+8}{2} = \frac{15}{2} = 7$$

if (arr[mid] == 1)

{ cnt = m - l + 1 i.e. 4 - 0 + 1 = 5 i.e. 5 one's are there from 0 to m.
6 - 0 + 1 = 7

l = m + 1;

}

else if (arr[mid] == 0)

h = m - 1;

else

l = m + 1

}

return cnt

	0	1	2	3
A	10	2	5	3
	i	j	j	

i=0
j=i+2

① for (i=0; i < A.length; i++)
 for (j=i+1; j < A.length; j++)
 if (A[i] == 2 * A[j] || A[j] == 2 * A[i])
 return true

② return false

0	1	2	3
7	1	13	11
i	j	j	j
	j	j	j
		j	j
			j

_____ X _____