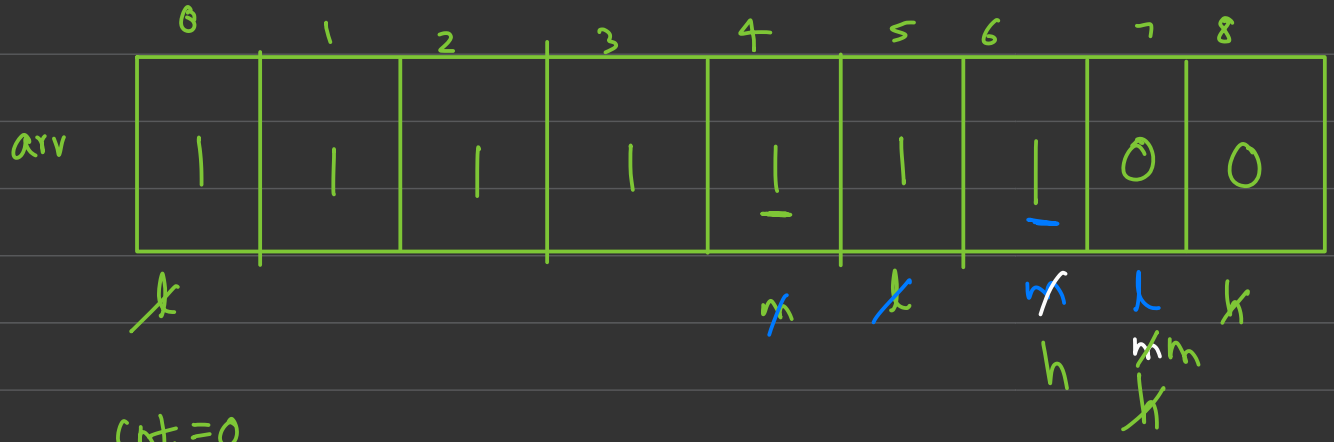
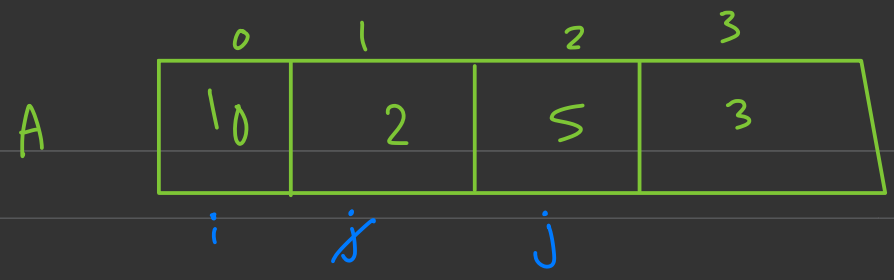
13 Apr 2023




```
cnt = 0
l = 0
h = 8
while(l <= h)
{
    m = (l+h)/2 = (0+8)/2 = 4        m = (5+8)/2 = 13/2 = 6        m = (7+8)/2 = 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 count
```



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