Engineering Animuthyam

Java DSA – Course. Part - 51

Binary Search

Hello machas, Bagunnara

1011. Capacity To Ship Packages Within D Days

https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/

```java
class Solution {
    public boolean isPossible(int[] weights,int days,int k){
        int temp = 0;
        for(int i =0; i<weights.length; i++){
            int val = weights[i];
            if(val > k){
                return false;
            }
            if(temp+val > k){
                days-=1;
                temp = 0;
            }
            temp+=val;
            if(days <= 0){
                return false;
            }
        }
        return true;
    }
    public int shipWithinDays(int[] weights, int days) {
        int l = 1;
        int r = Integer.MAX_VALUE;
        while(l<=r){
            int mid = l + (r-1)/2;
            if(isPossible(weights,days,mid)){
                r = mid - 1;
            }else{
                l = mid + 1;
            }
        }
        return l;
    }
}
```