

Engineering Animuthyam

Java DSA – Course. Part - 52

Binary Search

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara

2064. Minimized Maximum of Products Distributed to Any Store

<https://leetcode.com/problems/minimized-maximum-of-products-distributed-to-any-store/description/>

```

class Solution {
    public boolean isPossible(int n,int []quantities,int k){
        for(int i = 0;i < quantities.length;i++){
            int temp = quantities[i]/k;
            if(quantities[i]%k != 0){
                temp+=1;
            }
            n-=temp;
            if(n<0){
                return false;
            }
        }
        return true;
    }
    public int minimizedMaximum(int n, int[] quantities) {
        int l = 1;
        int r = (int)Math.pow(10,5);
        while(l<=r){
            int mid = l + (r-l)/2;
            if(isPossible(n,quantities,mid)){
                r = mid - 1;
            }else{
                l = mid + 1;
            }
        }
        return l;
    }
}

```