Engineering Animuthyam

Java DSA – Course. Part - 52

Binary Search

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/

```java
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-1)/2;
            if(isPossible(n,quantities,mid)){
                r = mid - 1;
            }else{
                l = mid + 1;

            }
        }
        return l;
    }
}
```