def func(stalls,k,mid):

        j=stalls[0]

        k-=1

        for i in range(1,len(stalls)):

            if stalls[i]-j>=mid and k!=0:

               k-=1

               if k==0:

                   return 1

               j=stalls[i]

        return 0

def aggressiveCows(stalls, k):

    stalls.sort()

    s=1

    e=stalls[len(stalls)-1]

    while(s<=e):

        mid=(s+e)//2

        a=func(stalls,k,mid)

        if a==1:

            s=mid+1

        else:

            e=mid-1

    return e