def solution(n, lost, reserve):

    stu = [1] \* n #학생 수 만큼 체육복 생성

    lost=list(map(int,lost)) #입력받은 리스트 연산을 위해 int형으로 변환

    reserve=list(map(int,reserve)) #입력받은 리스트 연산을 위해 int형으로 변환

    for j in range(len(lost)): #0~n까지 : 도난당한 체육복 기록

        if int(lost[j]) >= 1 : #도난당한 학생 번호 파악

            num=int(lost[j])

            stu[num-1]+=-1 #도난당한 번호의 학생 체육복 삭제 (1을 0으로 변경)

    for j in range(len(reserve)):

        if int(reserve[j]) >= 1 :

            num=int(reserve[j])

            stu[num-1]+=1 #여유 분이 있는 학생의 체육복 추가

    answer1 = [0] \* n #체육복을 입을 수 있는 학생 수 기록용

    for i in range(n):#0~ n-1까지의 범위

        if i==0: #첫번째 학생의 경우

            if stu[0]>=1:

                answer1[0]=1

        if 0<i<n-1: #가운데 학생들인 경우

            if stu[i-1]>1: #앞의 학생에게 여유분이 있는 경우

                if stu[i]>1: #현 학생도 여유분이 있는 경우

                    answer1[i]=1

                if stu[i]==0: #현 학생은 여유분 x

                    stu[i-1]-=1 #준 여유분 제외

                    answer1[i]=1 #받은 여유분 추가

                    stu[i]+=1 #받은 여유분 추가

            if stu[i-1]==0: #앞 학생에게 여유분 x

                if stu[i]>1: #현 학생에게 여유분 있는 경우

                    stu[i]-=1

                    answer1[i-1]=1

                    stu[i-1]+=1

            if answer1[i]==0 and stu[i+1]>1: #뒤의 학생에게 여유분이 있는 경우

                if stu[i]>1: #현 학생에게 여유분 있는 경우

                    answer1[i]=1

                if stu[i]==0: #현학생에게 여유분 x

                    stu[i+1]-=1

                    answer1[i]=1

                    stu[i]+=1

            if answer1[i]==0 and stu[i+1]==0:

                if stu[i]>1:

                    stu[i]-=1

                    answer1[i+1]=1

                    stu[i+1]+=1

        if i==n-1: #마지막 학생인 경우

            if stu[i]>=1:

                answer1[i]=1

    result=0 #체육 수업 참여가능한 학생 기록용

    for i in range(n):

        if stu[i] >=1: #1과 같거나 크다면 result에 1씩 추가

            result+=1

    return result