The problem is pretty much simple dynamic programming.

N -> Number of scholarships

K -> Number of participants

When the participants are more than total scholarships offered , answer is ZERO.

Else

The recurrence of DP is

DP(k,n) = DP(k -1 , n)

+ DP(k , n – k) [ When n >= k ]

Base condition: If k == 1 or n == 0 return 1

The trick of this problem is do not clear previously generated solution of DP otherwise you will get TLE.