

## Exercises

3.291 [09N] Let be given  $n, k$  natural with  $k \geq 1$ . How many different choices of vectors  $(j_1, \dots, j_k)$  of natural numbers are there such that  $j_1 + \dots + j_k = n$ ? How many different choices of vectors  $(j_1, \dots, j_k)$  of positive natural numbers are there such that  $j_1 + \dots + j_k = n$ ?

**Solution 1.** [09P]