## **USA Computing Olympiad**

Overview

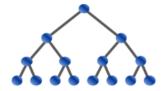
TRAINING

CONTESTS

HISTORY

STAFF

RESOURCES



## USACO 2019 DECEMBER CONTEST, BRONZE PROBLEM 1. COW GYMNASTICS

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Time Remaining: 3 hrs, 59 min, 15 sec

Not submitted yet	
	English (en) ▼
In order to improve their physical fitness, the cows have taken up gymnastics! Farmer John designates his favo coach the $N$ other cows and to assess their progress as they learn various gymnastic skills.	orite cow Bessie to
In each of $K$ practice sessions ( $1 \le K \le 10$ ), Bessie ranks the $N$ cows according to their performance ( $1 \le N$ she is curious about the consistency in these rankings. A pair of two distinct cows is <i>consistent</i> if one cow did b other one in every practice session.	
Help Bessie compute the total number of consistent pairs.	
INPUT FORMAT (file gymnastics.in):	
The first line of the input file contains two positive integers $K$ and $N$ . The next $K$ lines will each contain the integers order, indicating the rankings of the cows (cows are identified by the numbers $1 \dots N$ ). If $A$ appears before these lines, that means cow $A$ did better than cow $B$ .	
OUTPUT FORMAT (file gymnastics.out):	
Output, on a single line, the number of consistent pairs.	
SAMPLE INPUT:	
3 4 4 1 2 3 4 1 3 2 4 2 1 3	
SAMPLE OUTPUT:	
4	
The consistent pairs of cows are $(1,4)$ , $(2,4)$ , $(3,4)$ , and $(1,3)$ .	
Problem credits: Nick Wu	
anguage: C ▼	
ource File: Choose File No file chosen	