

JMO 2026/2

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TWITCH SOLVES ISL

Episode 176

Problem

There are m foxes and n bunnies sitting in $m + n$ seats around a circular table, where all animals are distinguishable. If a fox and a bunny are sitting next to each other, they may swap positions with each other. For a fixed starting configuration, determine the number of configurations that can be reached by a sequence of swaps. (Rotations and reflections of a configuration are considered distinct.)

Video

<https://youtu.be/j12Ar60P3n4>

External Link

<https://aops.com/community/p37578101>

Solution

To be written later.