

Bilkent University
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## Problem Of The Month

Term: October 2020

In a country consisting of 1001 cities there are two way flights between some $n$ pairs of cities. It is observed that for any two cities $A$ and $B$ there is a sequence of 1000 flights starting at $A$ ending at $B$ and visiting each of the remaining cities exactly once. Find the minimal possible value of $n$.

