Bilkent University
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Problem Of The Month

Term: February 2013

An airway company operates *one way* flights between some pairs of cities of a country consisting of n cities so that any city is reachable from any city (not necessarily directly). Suppose that in any such flight scheduling the shortest (including minimal number of flights) closed trip visiting each city (at least once) consists of at most 2013 flights. Find the maximal possible value of n.