Theory of Computation, CSCI 438 spring 2022
Polynomial Time, pg. 284-291, April 25

1. PATH = {<G, s, t> | G is a directed graph that has a directed path from s to t}
   Prove that PATH$\in$P

2. Two integers are relatively prime (or coprime) if there is no integer greater than one that dives them both.

   RELPRIME = {<x, y> | x and y are relatively prime}
   Prove that RELPRIME $\in$ P