Homework Assignment #2

1. The set-partition problem takes as input a set of numbers. The question is whether the numbers can be partitioned into two sets and such that . Show that the set-partition problem .
2. DIRECTED-HAMILTONIAN-PATH: given a directed graph and two distinct vertices , determine whether contains a path that starts at , ends at , and visits every vertex of the graph exactly once. Show that the Directed-Hamiltonian-Path problem .