Department of Mathematics and Computer Science

2301365 Algorithm Design and Analysis Lab #2

Name _____ Student ID _____

BruteForce

A Hamiltonian path, also called a Hamilton path, is a graph path between two vertices of a graph that visits each vertex exactly once. If a Hamiltonian path exists whose endpoints are adjacent, then the resulting graph cycle is called a Hamiltonian cycle.

Write a program to

1. Check whether a given graph has a path from u to v or not ***Path(u,v)***? If there is a path, print that path.
2. Check whether a given graph has a Hamiltonian path or not? If there is a path, print that path.

Please note that Information will be provided by various sizes of adjacency Matrix