Assignment 5

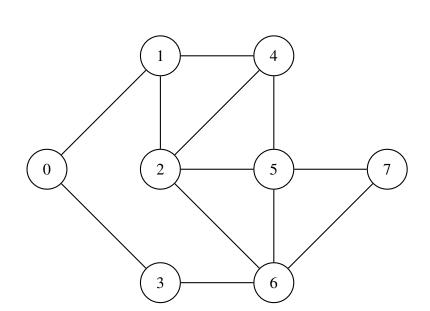
Computer Systems Lab

October 1, 2020

Date: October 1, 2020 **Time**: 2:30 P.M. – 5:15 P.M.

The *distance* between any two vertices u and v in an undirected unweighted graph is defined as the minimum number of edges that are required to be traversed to reach v from u and vice versa. Given an undirected unweighted graph G=(V,E), a non-zero positive integer k, and two different vertices x and y, write a C/C++ program that will print all the vertices that are exactly k distance apart from both the vertices x and y. If no such vertex is found, then print -1.

Input:



Output:

24

Submission Instruction:

File Name: A5_RollNo.c/cpp

Email to: joy@iitbbs.ac.in with subject line: A5_RollNo