Lab8

- Algorithm:

- every thread tires to find a hamiltonian cycle and the first to find it stops the others solutions

- use simple threads with mutex to sync the result

- Test:

- Test1:

- no of graphs: 5

- no of threads: 5

- time taken: 00:00:00.3687665 sec

- result : no hamiltonian cycle

- Test2:

- no of graphs: 6

- no of threads: 6

- time taken: 00:00:00.5527259 sec

- result : no hamiltonian cycle

- Test3:

- no of graphs: 7

- no of threads: 7

- time taken: 00:00:00.5527259 sec

- result : no hamiltonian cycle

- Test4:

- no of graphs: 3

- no of threads: 3

- time taken: 00:00:00.0276390 sec

- result: 0 1 2

- Test5:

- no of graphs: 3

- no of threads: 3

- time taken: 00:00:00.0442048 sec

- result: 2 0 1

- Test6:

- no of graphs: 4

- no of threads: 4

- time taken: 00:00:00.0243146 sec

- result: 1 0 2 3