



First call:

path: [0, -1, -1, -1, -1]

Second call:

path: [0, 1, -1, -1, -1]

Third call:

path: [0, 1, 2, -1, -1]

Fourth call:

path: [0, 1, 2, 4, -1]

Fifth call:

path: [0, 1, 2, 4, 3]

Found a hamiltonian cycle:

0 1 2 4 3 0