

COMP 3430 Assignment 2
Burke Libbey

1a) k is the process currently allowed to execute the critical section. "current" would probably be a better name.

1b) To enter Li4, where c[i] is set, b[i] should already be false, therefore b[i]=true, c[i]=false should be unreachable.

1c) See file: dijkstra.rb

1d) Access the array start as a signed 32-bit integer and check that it equals -1.

2) turn is initially 0. P1 executes up to the point of checking blocked[0], then passes to P0. P0 sets blocked[0], finds turn==0, and enters CS. P1 resumes, sets turn=1, and enters CS.

3) see file: question3.c