Project 2- 10 Points
Due date: March 9, 6 p.m.

1- Use **Breadth First Search** to find optimal path between any given initial point and goal point
2- Consider workspace as a 8-connected space
3- Use Half-plane and semi-algebraic models to represent obstacle space
4- Following figure represents the free space (C_{free}) and obstacle space (C_{obs})
5- Show optimal path using a simple graphical interface