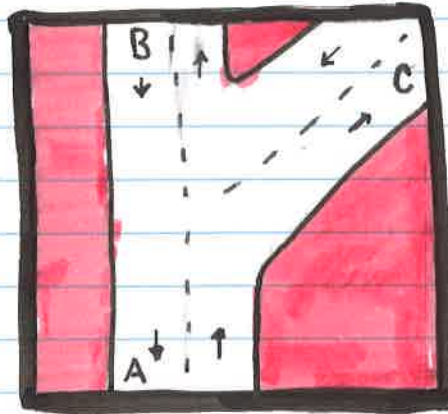


TRAFFIC LIGHT

"THE FIRST STEP TO SOLVING A PROBLEM IS UNDERSTANDING THE PROBLEM" ~KURT

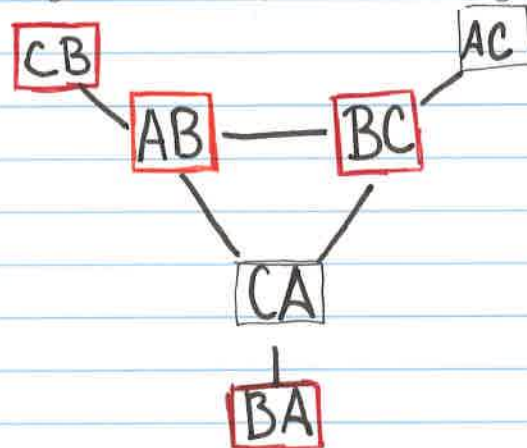
PROBLEM:

PUT A LIGHT IN WITH MINIMAL STATES AND COLLISIONS.



FROM	TO
A	B
A	C
B	A
B	C
C	A
C	B

COLLISIONS ARE EDGES. CANNOT BE THE SAME COLOR



GREEDY ALGORITHM:

- : MAKES DECISION BASED ON LOCAL INFO
- : DOES NOT ALWAYS YIELD OPTIMAL SOLUTION
- : TYPICALLY GOOD ENOUGH
- : QUICK