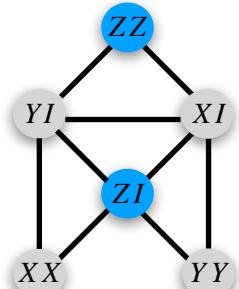


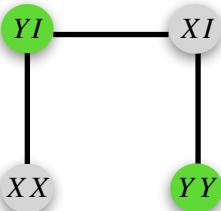
Blue = {ZZ, ZI}

Green = {YY, YI}

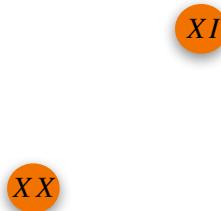
Orange = {XX, XI}



2



3

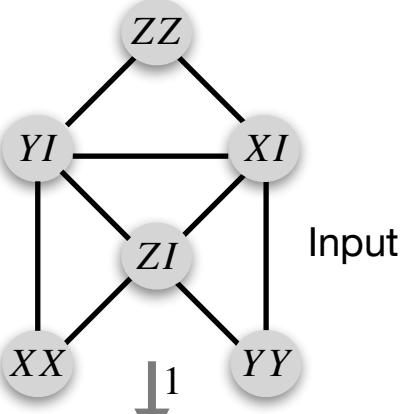


4

null

5

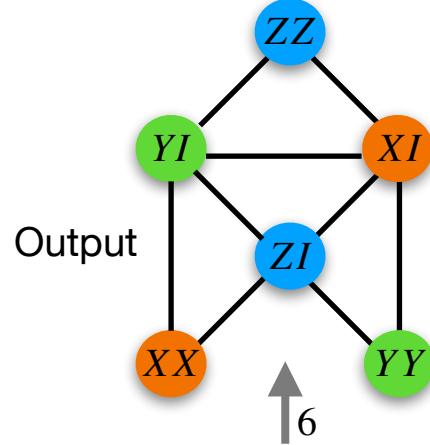
(b) Coloring process with RLF



Input

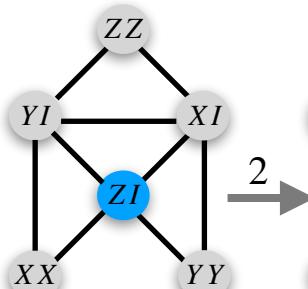
1

Solution:
Orange = {XX, XI}
Green = {YY, YI}
Blue = {ZZ, ZI}

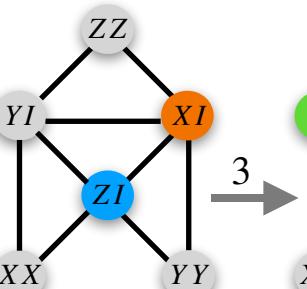


Output

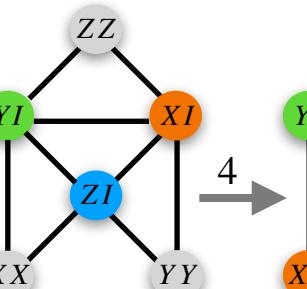
6



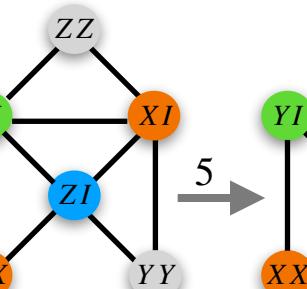
2



3



4



5

(a) Coloring process with DSATUR