

```

operators = [ {"action":"cross_PQ_1_to_2","preconds":["P side1","Q side1","Lantern side1"],"add":["P side2","Q side2","Lantern side2"],"delete":["P side1","Q side1","Lantern side1"],"time":3}, {"action":"cross_PR_1_to_2","preconds":["P side1","R side1","Lantern side1"],"add":["P side2","R side2","Lantern side2"],"delete":["P side1","R side1","Lantern side1"],"time":6}, {"action":"cross_PS_1_to_2","preconds":["P side1","S side1","Lantern side1"],"add":["P side2","S side2","Lantern side2"],"delete":["P side1","S side1","Lantern side1"],"time":8}, {"action":"cross_QR_1_to_2","preconds":["Q side1","R side1","Lantern side1"],"add":["Q side2","R side2","Lantern side2"],"delete":["Q side1","R side1","Lantern side1"],"time":6}, {"action":"cross_QS_1_to_2","preconds":["Q side1","S side1","Lantern side1"],"add":["Q side2","S side2","Lantern side2"],"delete":["Q side1","S side1","Lantern side1"],"time":8}, {"action":"cross_RS_1_to_2","preconds":["R side1","S side1","Lantern side1"],"add":["R side2","S side2","Lantern side2"],"delete":["R side1","S side1","Lantern side1"],"time":8}, {"action":"return_P_2_to_1","preconds":["P side2","Lantern side2"],"add":["P side1","Lantern side1"],"delete":["P side2","Lantern side2"],"time":1}, {"action":"return_Q_2_to_1","preconds":["Q side2","Lantern side2"],"add":["Q side1","Lantern side1"],"delete":["Q side2","Lantern side2"],"time":3}, {"action":"return_R_2_to_1","preconds":["R side2","Lantern side2"],"add":["R side1","Lantern side1"],"delete":["R side2","Lantern side2"],"time":6}, {"action":"return_S_2_to_1","preconds":["S side2","Lantern side2"],"add":["S side1","Lantern side1"],"delete":["S side2","Lantern side2"],"time":8}
]

```

GPS( ["P side1","Q side1","R side1","S side1","Lantern side1"], ["P side2","Q side2","R side2","S side2","Lantern side2"], operators )