

```

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 )

```