



STATE 0 - Initializations
 STATE 1 - Searching gap
 STATE 2 - Putting bridge
 STATE 3 - Crossing bridge
 STATE 4 - U Turn 1
 STATE 5 - Taking bridge
 STATE 6 - U Turn 2

STATE -1 - Put bridge error
 STATE -2 - Cross bridge error
 STATE -3 - U Turn 1 error
 STATE -4 - Take bridge error
 STATE -5 - U Turn 2 error