

Programming Assignment Report

Basic Logic:

I have made 'n' DFAs, one for each input state(opponent state).

Now, let's say input state is 'x', so the program will keep redirecting to the DFA which beats the next state of input state, in simple words, be one step ahead almost always.

Notes to evaluator:

1. I will have a total of n^2 states in my FSM if there are n states in the input file.
2. I have taken care of TLEs while iterating through my output, by breaking the while loop after $m*m$ i.e. total possible win states.
3. To an extent, I have also taken care of infinite/semi infinite loss loops. But the program can be broken.

Link to doc with more details : [📄 Programming Assignment Report](#)