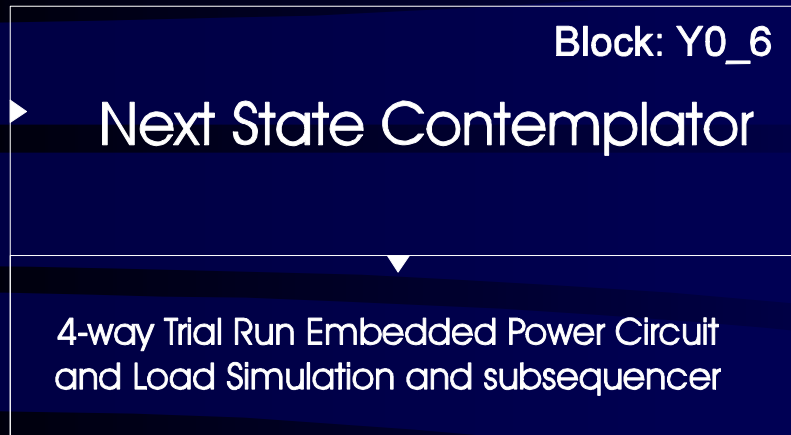


CogniSim - Next State Contemplator



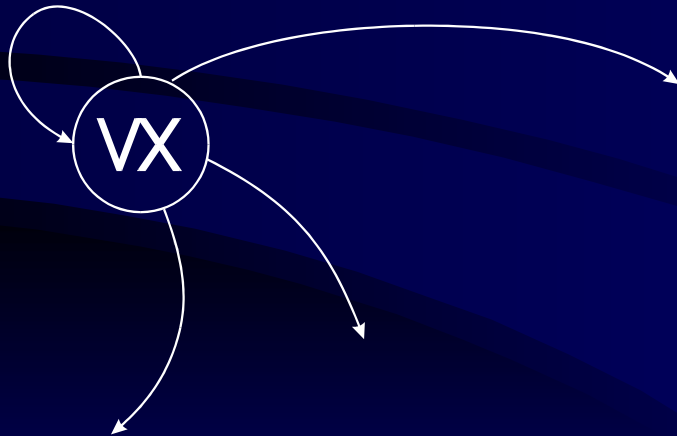
Once a change of state is determined *potentially necessary*

Four simulations are built and seeded with initial conditions

A Predictive fictitious “h-step” time step is simulated for each case

Results are evaluated to choose the best of four states

In many cases, the decision to remain in the same state is taken, because it is better than the other three, with minimum on time, and interlock delays accounted for



Generic State, with transition vectors