```
goal environment state performance measure Fully observable Partially observable Single agent Multi-agent Cooperative Competitive Deterministic Stochastic Static Dynamic Discrete Continuous discretise known yes no percept memory action reactive it-then calculations finite state machine (FSM) states Transitions single state Inputs event spercepts actions state transition diagrams flowcharts UML diagram f^{SM} NN^2 super-states hierarchical complex behaviours simple components more complex Unreal Unity tree nodes ticked children statuses last multiple frames share black board data context variables ready written local shared global
```