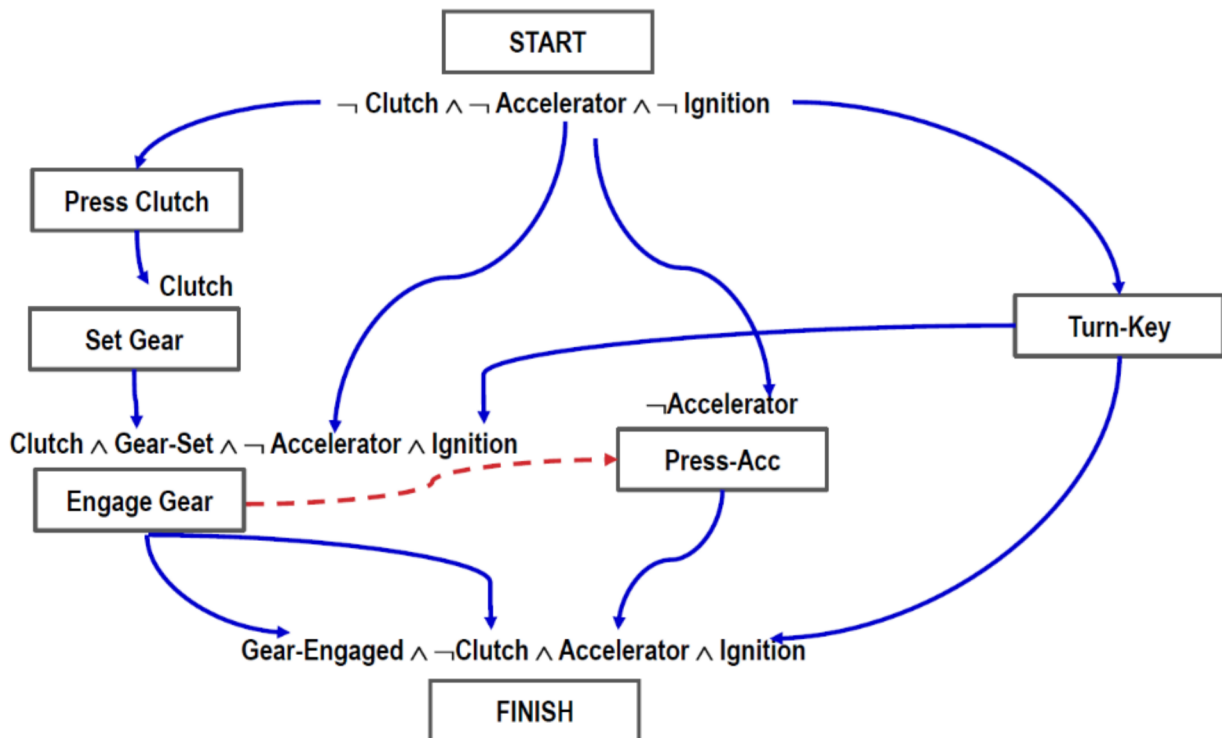


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Q1.



Q2.

Predicates: $In(y,x)$, $Empty(s)$, $On(s,y)$

Objects: L1, L2, C1, C2, S

Goal Specification: $In(L2,C2)$

Initial State: $In(L1,C1)$ $In(L1,C2)$ $In(L1,S)$ $Empty(S)$

Action Schema:

Load(S,x,y)

Precond: $In(y,S)$, $In(y,x)$, $Empty(S)$

Effect: $\neg Empty(S)$, $On(S,x)$, $\neg In(y,x)$

Unload(S,x,y)

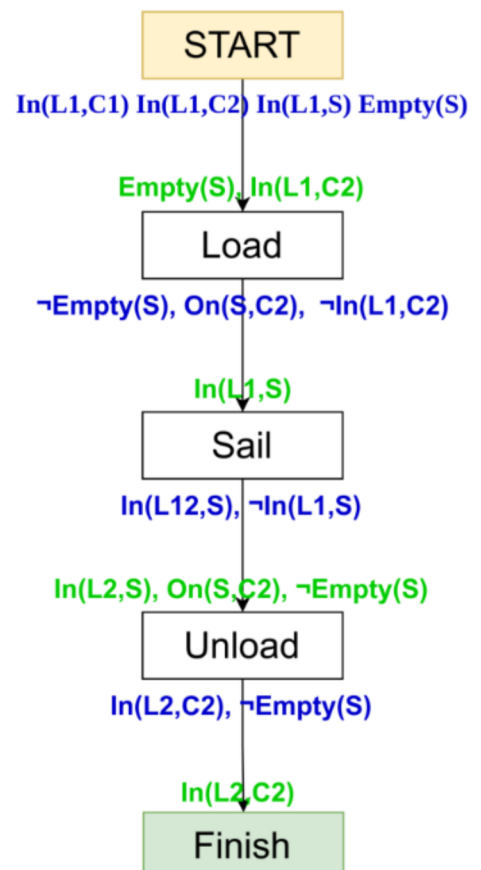
Precond: $In(y,S)$, $On(S,x)$, $\neg Empty(S)$

Effect: $Empty(S)$, $In(y,x)$

Sail(S,x,y)

Precond: $In(x,S)$

Effect: $\neg In(x,S)$, $In(y,S)$



Q3.

