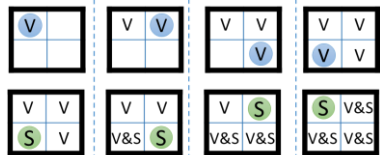


PIF to Resolve: $\langle [S], P, \text{Vacuumed}(0, (2,1)) \rangle$
Resolve method: S replans w. the constraint
 $\neg \text{Vacuumed}(0, (2,1))$

The root of the IRT

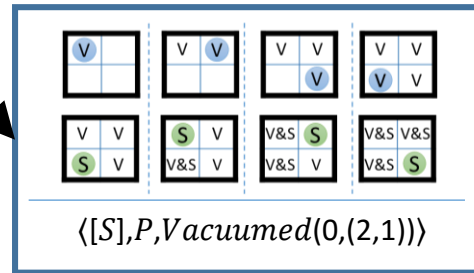
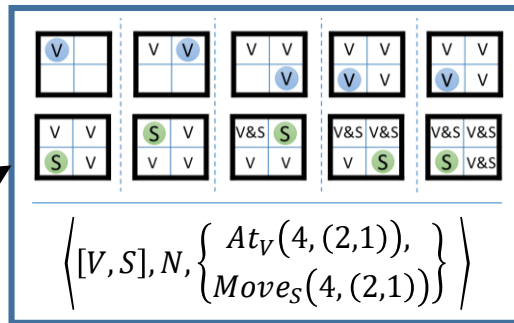


$\langle [S], P, \text{Vacuumed}(0, (2,1)) \rangle$
 $\langle [S], P, \text{Vacuumed}(1, (2,2)) \rangle$
 $\langle [V, S], N, \left\{ \begin{array}{l} \text{Move}_V(3, (2,2)), \\ \text{Move}_S(3, (1,2)) \end{array} \right\} \rangle$

PIF to Resolve: $\langle [S], P, \text{Vacuumed}(1, (2,2)) \rangle$
Resolve method: S replans w. the constraint
 $\neg \text{Vacuumed}(1, (2,2))$

PIF to Resolve: $\langle [V], N, \text{At}_V(4, (2,1)) \rangle$
Resolve method: V replans w. the constraint
 $\neg \text{At}_V(4, (2,1))$

A goal node!



PIF to Resolve: $\langle [S], P, \text{Vacuumed}(0, (2,1)) \rangle$
Resolve method: S replans w. the constraints
 $\neg \text{Vacuumed}(0, (2,1))$
 $\neg \text{Vacuumed}(1, (2,2))$

