

Results for CXP (in 00:00:04.037):

SET_RCHD_EXPECTED_AT:

SET_UNRCHD_AS:

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q1 = ~(p0 == Portes(1)==ouvertes[3]), ~(p1 == E(R).(and(and(R ∈ Rames), and(R=1, Portes(R)=refermees[5], Mvt(R)=0, or(Pos(R) ≠ NS1, , Dir(R) ≠ 1), or(Pos(R) ≠ 0, , Dir(R) ≠ -1), ∀(R1).(and(R1 ∈ Rames) => R1 ≠ R => or(Pos(R1) ≠ Pos(R), , Dir(R1) ≠ Dir(R))))))), (p2 == E(R).(and(and(R ∈ Rames), and(R=1, Mvt(R)=1, ∀(R1).(and(R1 ∈ [1..NR]) => and(R1 ≠ R => or(Pos(R1) ≠ (Pos(R) + Dir(R)), , Dir(R1) ≠ Dir(R)))))))
q2 = ~(p0 == Portes(1)==ouvertes[3]), (p1 == E(R).(and(and(R ∈ Rames), and(R=1, Portes(R)=refermees[5], Mvt(R)=0, or(Pos(R) ≠ NS1, , Dir(R) ≠ 1), or(Pos(R) ≠ 0, , Dir(R) ≠ -1), ∀(R1).(and(R1 ∈ Rames) => R1 ≠ R => or(Pos(R1) ≠ Pos(R), , Dir(R1) ≠ Dir(R))))))), ~(p2 == E(R).(and(and(R ∈ Rames), and(R=1, Mvt(R)=1, ∀(R1).(and(R1 ∈ [1..NR]) => and(R1 ≠ R => or(Pos(R1) ≠ (Pos(R) + Dir(R)), , Dir(R1) ≠ Dir(R)))))))

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SET_UNRCHD_EXPECTED_AS:
q1 = ~(p0 = Portes(1)=ouvertes[3]), ~(p1 =  $\exists(R).(\text{and}(\text{and}(R \in \text{Rames}), \text{and}(R=1, \text{Portes}(R)=\text{refermees}[5], \text{Mvt}(R)=0, \text{or}(\text{Pos}(R) \neq \text{NS1}, \text{Dir}(R) \neq 1), \text{or}(\text{Pos}(R) \neq 0, \text{Dir}(R) \neq -1), \forall(R1).(\text{and}(R1 \in \text{Rames}) \Rightarrow R1 \neq R \Rightarrow \text{or}(\text{Pos}(R1) \neq \text{Pos}(R), \text{Dir}(R1) \neq \text{Dir}(R)))))), (p2 =  $\exists(R).(\text{and}(\text{and}(R \in \text{Rames}), \text{and}(R=1, \text{Mvt}(R)=1, \forall(R1).(\text{and}(R1 \in [..NR]) \Rightarrow \text{and}(R1 \neq R \Rightarrow \text{or}(\text{Pos}(R1) \neq (\text{Pos}(R) + \text{Dir}(R)), \text{Dir}(R1) \neq \text{Dir}(R))))))$ 
q2 = ~(p0 = Portes(1)=ouvertes[3]), (p1 =  $\exists(R).(\text{and}(\text{and}(R \in \text{Rames}), \text{and}(R=1, \text{Portes}(R)=\text{refermees}[5], \text{Mvt}(R)=0, \text{or}(\text{Pos}(R) \neq \text{NS1}, \text{Dir}(R) \neq 1), \text{or}(\text{Pos}(R) \neq 0, \text{Dir}(R) \neq -1), \forall(R1).(\text{and}(R1 \in \text{Rames}) \Rightarrow R1 \neq R \Rightarrow \text{or}(\text{Pos}(R1) \neq \text{Pos}(R), \text{Dir}(R1) \neq \text{Dir}(R)))))), \neg(p2 =  $\exists(R).(\text{and}(\text{and}(R \in \text{Rames}), \text{and}(R=1, \text{Mvt}(R)=1, \forall(R1).(\text{and}(R1 \in [..NR]) \Rightarrow \text{and}(R1 \neq R \Rightarrow \text{or}(\text{Pos}(R1) \neq (\text{Pos}(R) + \text{Dir}(R)), \text{Dir}(R1) \neq \text{Dir}(R))))))$$$ 
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SET_UNRCHD_EXPECTED_AT:

TIME_ATS: 00:00:04.037

TIME_TESTS: 00:00:00.000