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1 CONTEXT
2   WaterTank_2Ctrl_2Tanks_Ctx
3 EXTENDS
4   WaterTank_2Tanks_Ctx
5 CONSTANTS
6   guess_gs
7 AXIOMS
8   axm1:  $guess\_gs \in STATES \times STATES \rightarrow STATES$ 
9   axm2:
10      $guess\_gs = \{$ 
11        $(Emptying \mapsto Emptying) \mapsto Emptying,$ 
12        $(Emptying \mapsto Stable) \mapsto Emptying,$ 
13        $(Stable \mapsto Emptying) \mapsto Emptying,$ 
14        $(Filling \mapsto Filling) \mapsto Filling,$ 
15        $(Filling \mapsto Stable) \mapsto Filling,$ 
16        $(Stable \mapsto Filling) \mapsto Filling,$ 
17        $(Stable \mapsto Stable) \mapsto Stable,$ 
18        $(Emptying \mapsto Filling) \mapsto Normal,$ 
19        $(Filling \mapsto Emptying) \mapsto Normal$ 
20      $\} \cup \{(x\_ \mapsto y\_ ) \mapsto z\_ \mid z\_ = Normal \wedge (x\_ = Normal \vee y\_ = Normal)\}$ 
21 END

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