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	class HierarchicalStateMachine	
class State		
# stack of return states	<pre># same state variables as flat machine # complicated recursive algorithm</pre>	
def getStates() return [this]		
<pre># recursive update def update()</pre>	def update ()	
# rest same as flat machine	class SubMachine : HierarchicalStateMachine. State	
class Transition	<pre>def getStates()</pre>	
<pre># how deep this transition is def getLevel()</pre>	push this onto currentState.getStates()	
# rest same as flat machine		
struct UpdateResult # returned from transition level	update (see Millington, Section 5.3.9)	
actions # same as flat machine		
<u> </u>	29	