Problem Wk.2.1.3: Double Delay State Machine

Write a (non-terminating) state machine class (assume you have the sm.SM class) that delays its input by two time steps, so output at time i is the input at time i-2. The class should take two arguments, which will be the outputs of the machine at times 0 and 1.

```
sm = Delay2Machine(100, 10)
```

We encourage you to debug this on your machine in Idle. You can work in the file swLab02Work.py. Open it in Idle, enter your class definition and testing examples in that file, and do Run Module to execute.

It is essential that the __init__ and getNextValues methods in any state machine not set or read any instance variables except self.startState (not even self.state). All memory (state) must be in the state argument to getNextValues. Look at the examples in the course notes, section 4.1.

```
class Delay2Machine(sm.SM):
    def __init__(self, val0, val1):
        self.startState = ''   # fix this
        pass
    def getNextValues(self, state, inp):
        pass
```

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