Problem Wk.3.1.3: Function Machines

When composing state machines, we often want to have a pure function machine that
can be used in a cascade to operate on the output of a state machine. In this problem,
we define a subclass of $sm$ that simply applies a given function to its input and returns
that as its output. The state of this machine doesn't need to change.

```python
class PureFunction(sm.SM):
    def __init__(self, f):
        pass

    def getNextValues(self, state, inp):
        pass
```