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
```

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