Problem Wk.12.2.2: Faster State Estimation

Read the Software Lab 12 handout. Implement the `getNextValues` method for the `StateEstimator` class below. You may find it helpful to refer to Section 7.7 of the class notes.

Note that [the procedure `dist.incrDictEntry`](#) may be helpful (see the software documentation and the handout).

Also note that you should not access the dictionary of a [`DDist` instance](#) directly. You can use the `prob` method to read the value of an entry, you can copy the dictionary with the `dictCopy` method and you can create a new `DDist` with a dictionary.

You can debug your code in the file `swLab12Work.py`.

```python
class StateEstimator(sm.SM):
    def __init__(self, model):
        self.model = model
        self.startState = model.startDistribution

    def getNextValues(self, state, inp):
        (o, i) = inp
```

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