Group and sort by states

Problem

One day, you encounter problems with your good old coffee machine. In the middle of working the problem you lose track of which steps are done, failed or still need to be done. Luckily, you took some notes, so you only need to group and sort them to get an overview. But keep in mind that not only your list of issues, but also your workflow can change…

First, sort the states according to their workflow, defined by transitions, into their logical order. Then, list issues under their respective state (see example below).

Use a php cli script to interact with your application and make your results available to us in a git repo.

Given data sets:

Issues:

Title	State
Get new coffee machine	done
(Re)fill beans	doing
Fill water tank	to do
Make coffee	on hold
Make more coffee	to do
Turn old coffee machine off and on again	failed
Repair old coffee machine	failed

Available Transitions:

From state	To state
to do	doing
to do	on hold
doing	done
doing	failed
doing	on hold
on hold	doing

Expected sort result:

- To do
  - Fill water tank
  - Make more coffee
- On hold
  - Make coffee
- Doing
  - (Re)fill beans
- Done
  - Get new coffee machine
- Failed
  - Turn old coffee machine off and on again
  - Repair old coffee machine