

Name: _____

Chores Robot



You have a robot with 2 buttons labeled A and B, if you hit these buttons it will do your chores. It can only do certain chores after it has already done other ones. Use the instructions bellow to create a FSA for your robot, remember to label all the transitions (actions) and states.

1. If your robot is on Standby, you can press A and it will Make your bed
2. If your robot is on Standby, you can press B and it will do the dishes
3. If your robot is making your bed you can, press A to get it to do the laundry or press B to make it return to standby
4. If your robot is doing the dishes you can press A to have it take out the trash or press B to make it do the laundry.
5. If your robot is doing the laundry pressing A will make it return to standby, and pressing B will have it take out the trash
6. If your robot is taking out the trash, pressing A will have it make your bed, pressing B will have it do the laundry

What sequence of button pushes will get your robot to do all of your chores, try to list 2 options.

- 1.
- 2.