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.