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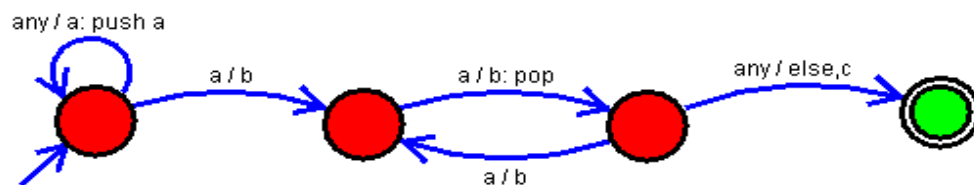
**EXPERIMENT:** 5

**AIM:** To design a PDA for the input aabbbbc ( $L=a^nb^{2n}$ ).

**PROCEDURE:**

1. Select FOUR states and consider one as initial and another as final state.
2. Join the states using edges with directions
3. Select the edges as PUSH,PULL and POP as a or b or c.
4. start the simulation and give the input.

**DESIGN AND OUTPUT:**



**RESULT:**

Therefore the designing of PDA for the given input has been successfully created and stimulated.