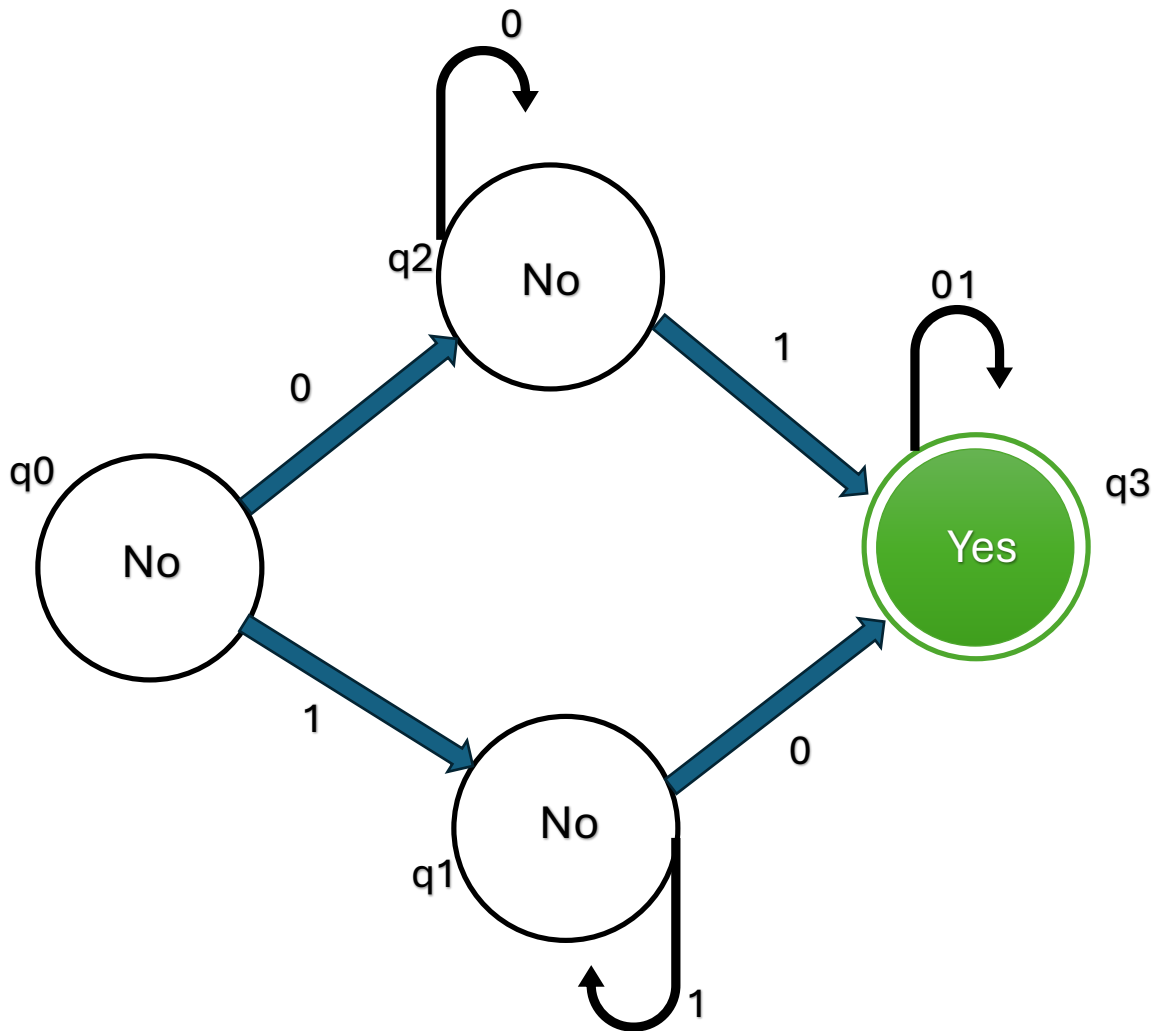


Draw a DFA for bitstrings with at least one 0 and at least one 1. You can use Paint, PowerPoint, or any software on your computer that allows you to draw. Upload your drawing for this question.



Explanation:

- **q0** → Start state.
 - Input 0 → go to q2 (found a 0)
 - Input 1 → go to q1 (found a 1)
- **q1** → Seen 1, waiting for a 0.
 - Input 0 → go to q3 → Accept.
 - Input 1 → go to q1
- **q2** → Seen 0, waiting for a 1.
 - Input 1 → go to q3 → Accept.
 - Input 0 → go to q2
- **q3** → Accepting state (both digits seen).
 - Any more 0s or 1s keep it in q3.