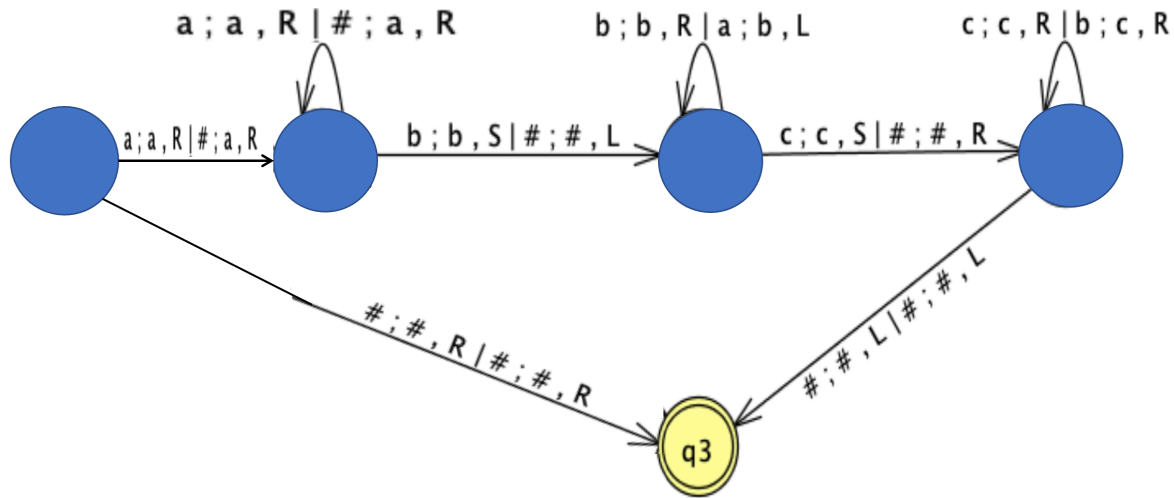


Tutorial#7

- Construct a two-tape Turing machine with input alphabet $\{a, b, c\}$ accepts the language $\{a^i b^i c^i \mid i \geq 0\}$.



- Construct a two-tape Turing machine that accepts strings in which each a is followed by an increasing number of b 's; that is the strings are of the following form:
- $ab^{n_1} ab^{n_2} \dots ab^{n_k}$ where $k > 0$ and $n_1 < n_2 < \dots < n_k$

