

Open book and notes.

Problem Draw the diagram for a finite state machine which accepts exactly the following set of strings: $\{axxb, ayb\}$.

Solution

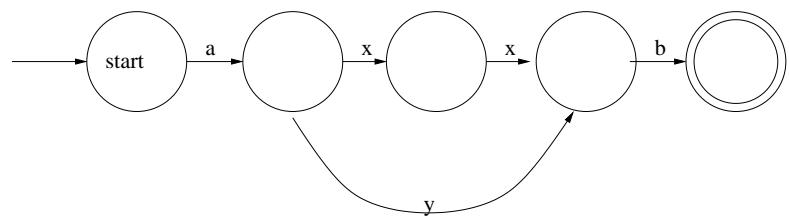


Figure 1: Finite state machine that accepts $\{axxb, ayb\}$