

(i) (a) (1)

Halts in the wrong position

The diagram shows a Petri net with six places: m^- , q^+ , n^- , p^+ , m^- , and q^+ . Transitions are labeled e . The flow is as follows:

- Input e enters m^- .
- m^- has a self-loop e and a transition e leading to q^+ .
- q^+ has a transition e leading to n^- .
- n^- has a self-loop e and a transition e leading to q^+ .
- q^+ has a transition e leading to p^+ .
- p^+ has a self-loop e and a transition e leading to m^- .
- m^- has a self-loop e and a transition e leading to q^+ .
- q^+ has a self-loop e and a transition e leading to q^- .
- q^- has a self-loop e and a transition e leading to m^+ .
- m^+ has a self-loop e and a transition e leading to q^+ .

 The diagram also shows a feedback loop from q^+ back to m^- and a path from q^+ to p^+ to m^- to q^+ .