

Reference Answer A2

1. [2pts] T
2. [2pts] F
3. [1pts] state set: {right, rewrite, accept, back0, read, back1, cy, p0, have0, have1, p1, **reject**}
[1pts] tape alphabet: {0, 1, +, I, c, \sqcup }
4. [1pts] accept state
[1pts] $q_{\text{accept}}111\sqcup10$
5. [1pts] reject state
[1pts] $q_{\text{reject}}1011c$ ($\sqcup q_{\text{reject}}1011c$)

(\sqcup is blank symbol)