# Finite State Machine Diagram

* Final states shall be red colored boxes as opposed to blue ones
* s5(not accepted) is drawn twice for convenience
* {‘0’, ‘1’} means “ ‘0’ or ‘1’ ”, and ‘~’ means “not”

‘1’

S5(NOT ACCEPTED)

S5(NOT ACCEPTED)

S4(ACCEPTED)

S3(Wait)

S2(Wait)

S0(current character)

S1(Wait)

‘0’ or ~{‘0’, ‘1’}

‘1’

‘1’ or ~{‘0’, ‘1’}

{‘0’, ‘1’}

~{‘0’, ‘1’}

‘0’ or ~{‘0’, ‘1’}

‘0’

‘1’

~{‘0’, ‘1’}