CS 305 Tutorial

Design Turing Machine for following problems: $Z = \{a, b\}$

- 1. f(M) = aba*b
- 2. $L = \{ \omega : |\omega| \text{ is even } \}.$
- 3. $\mathcal{L} = \{ \omega : m_a(\omega) = m_b(\omega) \}.$
- 4. $L = \{a^n b^{2n} : m \ge 1\}$
- 5. L (a (a+b)*) in no more than flarel states. Is it possible to do this states. Is it possible machine?