CPS 140 Classwork 3 Mar. 22, 2012

10 pts

Use JFLAP to solve the following problem. You may work with 1 or two others for this classwork.

1. Build a TM acceptor for the following language.

$$\mathbf{L} {=} \{ww \mid w \in \Sigma^+\}, \, \Sigma {=} \{a,b\}$$

Note that abab is accepted, abbb is not accepted.

2. Give the running time, big-Oh, assuming the |w| = n.