Automata and Formal Languages
Quiz 1

Problem   *Give state diagrams of DFAs recognizing the following languages. In all cases the alphabet is $\{0,1\}$.*

1. $\{w|\ w$ *contains the substring* 1010*, i.e.,* $w = x1010y$ *for some x and $y\}$.*

2. $\{w|$ *every even position of w is a* $1\}$.