

## **Homework 02 grading guidelines**

1. b. 4 points  
c. 4 points  
d. 4 points  
e. 4 points  
g. 2 points  
h. 2 points  
Total: 20 points. -1 points for each mistake. 0 points if incorrect.
2. 5 points for transition table  
5 points for computation tree  
3 for showing abb is accepted  
5 points for second computation tree  
2 for showing baa is not accepted.
3. a. 5 points  
b. 5 points  
  
a. 5 points.  
b. 5 points. -1 points for each mistake.
4. a. to e. 4 points each
5. a. to e. 4 points each
6. 20 points for correct proof by construction in both directions. -10 if only sketch of proof is given.
7. 20 for a correct NFA.
8. 10 points for proving suffixes using an NFA with null transitions.  
5 points for proving prefixes  
5 points for proving substrings