

## CS 561, HW6

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*Due: Nov 25th*

1. Prove via Induction that any tree over  $n$  nodes has exactly  $n - 1$  edges.
2. Exercise 23.2-8
3. Problem 23-3
4. Problem 23-4
5. Prove Claim 1 from Lecture 10
6. Prove Claim 2 from Lecture 10
7. Problem 24-2
8. Problem 24-3
9. Exercise 25.2-1
10. Problem 25-1