Homework 6

RT Hatfield

21 September 2016

- 1. A. Pre: 1 Post: 12
 - Tree edges: B
 - B. Pre: 2 Post: 11
 - Tree edges: C
 - C. Pre: 3 Post: 10
 - Tree edges: F
 - D. Pre: 13 Post: 18
 - Tree edges: G
 - E. Pre: 5 Post: 6
 - Back edges: A, B
 - F. Pre: 4 Post: 9
 - Tree edges: E, I
 - G. Pre: 14 Post: 17
 - Tree edges: H
 - H. Pre: 15 Post: 16
 - Back edges: G
 - I. Pre: 7 Post: 8
- 2. - Ordering:
 - * A. Pre: 1 Post: 16
 - * B. Pre: 2 Post: 15
 - $\ast\,$ C. Pre: 3 Post: 14
 - * D. Pre: 4 Post: 13
 - * E. Pre: 8 Post: 9
 - * F. Pre: 7 Post: 10
 - * G. Pre: 6 Post: 11
 - * H. Pre: 5 Post: 12
 - Tree edges: AB, BC, CD, DH, HG, GF, FE
 - Forward edges: AF,BE

- Back edges: DB, FG, EG, ED
- Cross edges: There don't appear to be any
- - Ordering:
 - * A. Pre: 1 Post: 16
 - * B. Pre: 2 Post: 11
 - * C. Pre: 4 Post: 5
 - * D. Pre: 6 Post: 9
 - * E. Pre: 7 Post: 8
 - * F. Pre: 3 Post: 10
 - * G. Pre: 13 Post: 14
 - * H. Pre: 12 Post: 15
 - Tree edges: AB, BF, FC, FD, DE, AH, HG
 - Forward edges: FE
 - Back edges: CB, GA
 - Cross edges: GB,GF,DC