Student ID: 1654919

Last Name: Reznik

First Name: Jonathan

Homework 5 (CS20B)

* 1. W
  2. M
  3. S
  4. T and W
  5. M, F, G
  6. S has no sibling, and H has Q, T, P
  7. 3
  8. [ W Q H T P A B S M V F G ]
  9. [ W Q A B H S V T M F G P ] or in right-to-left order [ W P T M G F H S V Q B A ]

1. 1. 4
   2. B, J, P, W
   3. L0, L1, and L2
   4. 11, with each item in its own level, and counting from 0 up to 11 for 12 items total
   5. 3, since the 12 items total would fit between 20 + 21 + 22 (7) and 20 + 21 + 22 + 23 (15)
   6. [Q K D B J M P N T R Y W ]
   7. [ B D J K M N P Q R T W Y ]
   8. [ B J D N P M K R W Y T Q ]
   9. [ B J D N P M K R W Y T Q ] Not sure why depth first is exactly same as postorder?
   10. [ Q K T D M R Y B J P W N ]