

22.

- a. A
- b. 8
- c. 3
- d. 4
- e. 4
- f. -1

- g. 3
- h. 2
- i. 1
- j. D

k. C, D, E, F, G, H

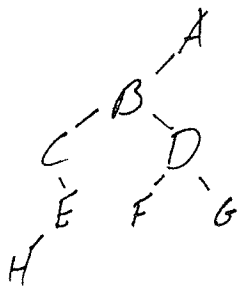
l. D, B, A

m. C H E B F D G A

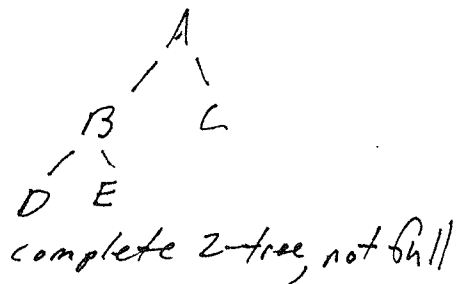
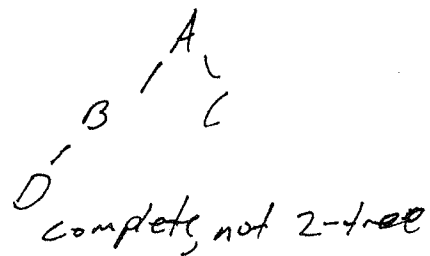
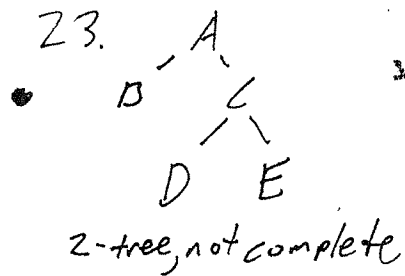
n. H E C ~~F~~ G D B A

o. A B C E H D F G

p. A B C D E F G H



23.



$$\text{leaves}(t) = \frac{17+1}{2} = 9$$

$$\text{leaves}(t) = \frac{731+1}{2} = 366$$

Each level will have an even # of elements except the root level.