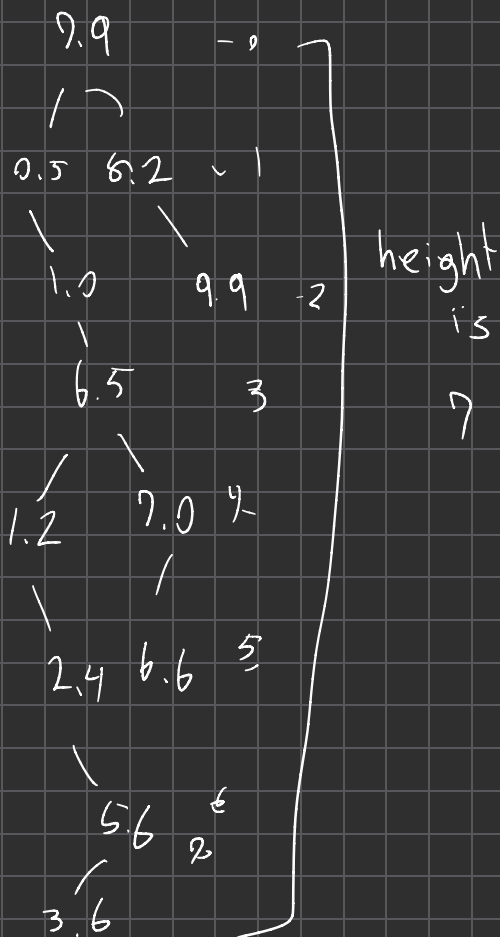
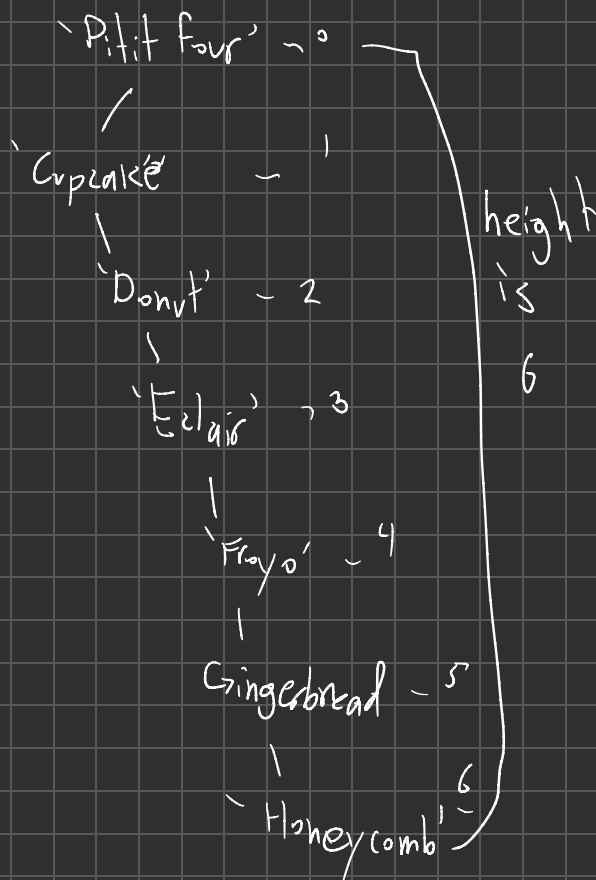


1) Type of three

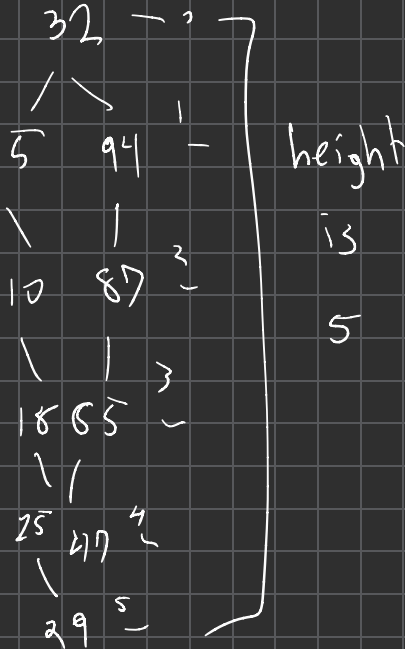
A) [7.9, 0.5, 1.0, 6.5, 8.2, 7.0, 6.6, 9.9, 1.2, 2.4, 5.6, 3.6]



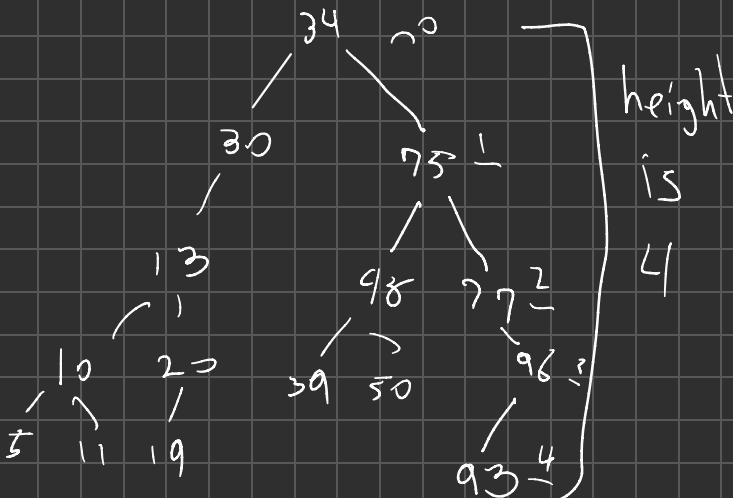
B ["Petit, Four", "Cupcake", "Donut", "Eclair", "Froyo", "Gingerbread", "Honeycomb"]



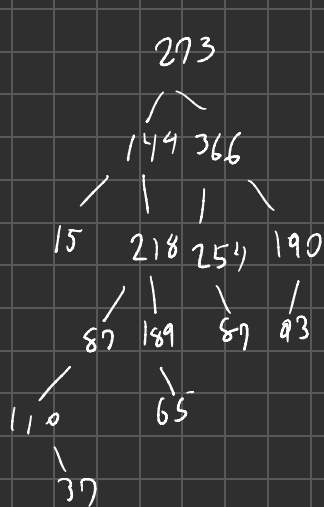
c) [32, 5, 94, 87, 10, 18, 85, 47, 25, 29]



D [34, 30, 75, 77, 96, 48, 39, 50, 93, 13, 10, 5, 11, 20, 19]



2 on original tree



68, 218, 15, 54, 46, 36, 37, 52, 65, 92, 80, 87, 97, 33

$$68 + 21 + (92 \times 2) = 273$$

$$80 + 0 + 174 = 254$$

$$21 + 15 + (54 \times 2) = 144$$

$$87 + 0 + 0 = 87$$

$$15 + 0 + 0 = 15$$

$$97 + 13 + 0 = 110$$

$$54 + 46 + (59 \times 2) = 218$$

$$93 + 0 + 0 = 93$$

$$46 + 36 + 0 = 82$$

$$36 + 0 + 74 = 110$$

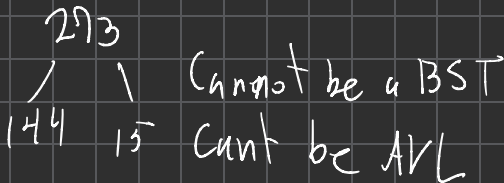
$$37 + 0 + 0 = 37$$

$$59 + 0 + 130 = 189$$

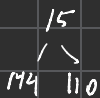
$$65 + 0 + 0 = 65$$

$$92 + 80 + 174 = 366$$

Pre-Order [273, 144, 15, 218, 82, 110, 37, 189, 65, 366, 254, 87, 190, 93]



In-Order [15, 144, 110, 37, 82, 218, 189, 65, 273, 254, 87, 366, 93, 90]



Cannot be a BST

Cannot be AVL

b) not BST

c) Not BST