Daniel Cortes   23 MAR 2022
            Tree Lab
①
ⓐ 16, 34, 35, 38, 39, 41, 44, 45, 55, 63, 64, 65, 72

ⓑ 45, 38, 34, 16, 35, 41, 39, 44, 65, 63, 55, 64, 72

ⓒ 16, 35, 34, 39, 44, 41, 38, 55, 64, 63, 72, 65, 45

ⓓ Tree has height of 4. Nodes level 2 are 38 & 65

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②
ⓐ 48, -, 7, %, 2, /, 24, *, 18, -, 5, *, 2, +, 12

ⓑ 48, 7, 2, %, -, 24, /, 18, 5, 2, *, -, 12, +, *

ⓒ 48-7%2/24*18-5*2+12
      ~~~~~ =50 using integer division
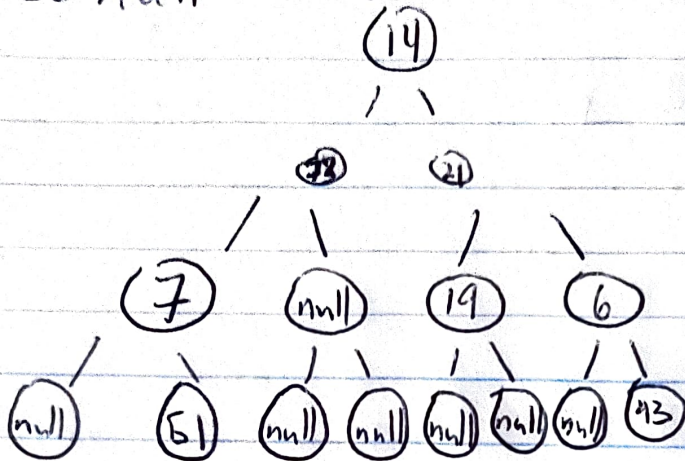
ⓓ 48-7%. 2/24*18-5*2+12
        =49.25 using float division

③

② Use null value:

(14)

(73)   (21)

(7)   (null)   (19)   (6)

(null)   (51) (null)(null)(null)(null)(null)(43)

[0]	14
[1]	73
[2]	21
[3]	7
[4]	null
[5]	19
[6]	6
[7]	null
[8]	51
[9]	null
[10]	null
[11]	null
[12]	null
[13]	null
[14]	43
[15]	

ⓑ

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④

(35)

(20)   (71)

(10)   (52)   (63)   (null)

(17) (25) (null) (7)(null) (45)