Laboratory 6

16. Determine if a tree of type (2) is ballanced (the difference between the depth of two subtrees is equal to 1).

my Max
$$(a, b) = \begin{cases} a, & \text{if } a > b \\ b, & \text{otherwise} \end{cases}$$

$$my Diff(a, b) = \begin{cases} a-b, & \text{if } a > b \\ b-a, & \text{otherwise} \end{cases}$$

my Get Septh
$$(l_1 l_2 ... l_n) = \begin{cases} 0, & \text{if } m = 0 \\ 1 + & \text{my llax} (\text{my Get Septh} (l_2), \\ & \text{my Get Septh} (l_3)), \\ & \text{charmise} \end{cases}$$

my Balanced
$$(l_1...l_m) = \begin{cases} mil, & if m = 0 \\ mil, & if my Kiff (my Get Septh $(l_2), \\ my Get Mepth (l_3) > 1 \end{cases}$
my Balanced (l_2) and my Balanced $(l_3), \\ otherwise$$$