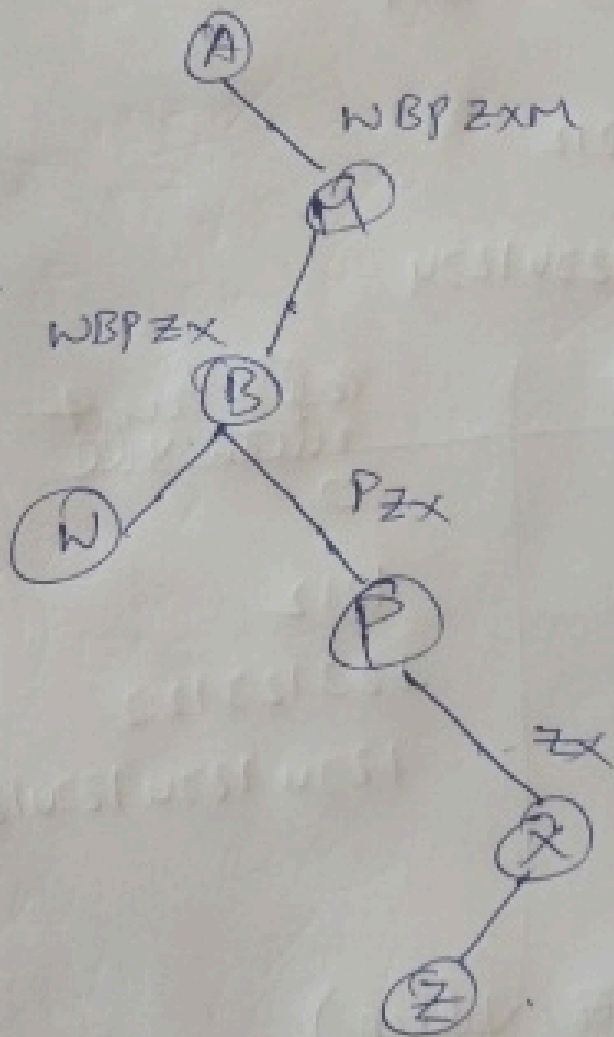PART C

1) Inorder: A W B P Z X M   (Left Root Right)
   Postorder: W Z P X B M A   (Left Right Root)
                    ←
                 Direction

- Read Post order Expression from left to Right so find
  The Root node Here A is the Root node

      Ⓐ

- Expression after A in the Inorder or Right sides Root
   re. W B P Z X M :

Ⓐ
        W B P Z X M   here, M is the first item in the
         Ⓜ   Preorder exp so it is the
                                    Root node
W B P Z X
    Ⓑ   Also Before m is left
  Ⓦ   P Z X   side
            Ⓟ   'B' is to take on
                           In order. W is left side
              Z X   and P Z X is Right side
               Ⓧ   'P Z X' X is first item
                           in the order
                 Ⓩ   Z is the left side
                           of X item

②

$T(0)$ = time to solve problem of size 0
— base case

$T(n)$ = time to solve problem of size n
— recursive

$T(0) = c_1$

main ()

num = 1
n = 2

According code snippet when

n = 1 : output = 0
n = 2 : output = 1212
n = 3 : 123 123 123
n ≥ 4 : 12 34 1234 1234 1234

num	call function	call's first return value
1	main ()	0
2	func (2)	1212
3	func (3)	123 123 123
4	func (4) !	1234 1234 1234 1234

$T(n) = n \times print (factor, value)$

Print number space : $O(1)$

i/p is of $n/2$ so $\lfloor \log_2(n) \rfloor$

total number of start pointer equal
to $1 + 2 + \cdots (n-1) + n$

$= n(n+1)/2$

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