Prefix → yg diajarin jd turun ke kiri

No.

Date . .

1. A * ((B+C) * (D-E)) / (F+G)

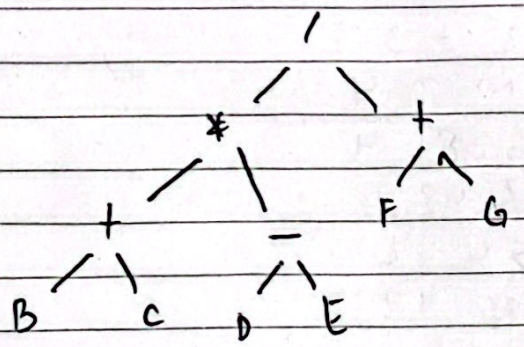
Prefix = reverse dulu

Convert to prefix

) G + F (/)) E - D (*) C + B ((

char	stack	curr
G F	) + (	
G F + E D	/)) - (	
G F + E D - C B	/) *) + (	
G F + E D - C B +	/) * (	
G F + E D - C B + * /		

↳ / * + B C - D E + F G



preorder = gabolah lengkap

Postorder = dari bawah ke atas

Inorder : ((B + C) * (D - E)) / (F + G)

Preorder : / * + B C - D E + F G

postorder : B C + D E - * F G + /

Evaluate prefix dari kanan

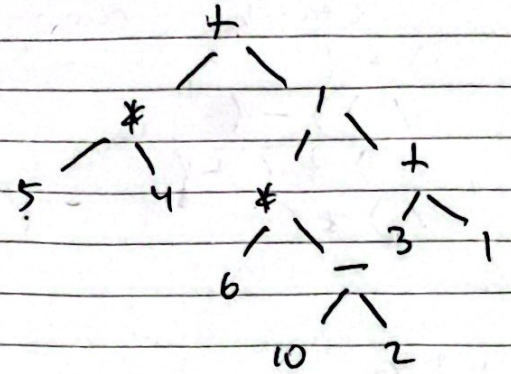
Evaluate postfix dari kiri

No.

Date . .

2. + * 5 4 / * 6 - 10 2 + 3 1

a) Evaluate the prefix notation



+ * 5 4 / * 6 - 10 2 + 3 1

+ * 5 4 / * 6 - 10 2 4

+ * 5 4 / * 6 8 4

+ * 5 4 / 48 4

+ * 5 4 12

+ 20 12

32

In order : (5 * 4) + (6 * (10 - 2) / (3 + 1))

pre order : + * 5 4 / * 6 - 10 2 + 3 1

postorder : 5 4 * 6 10 2 - * 3 1 + / +

No.

Date . .

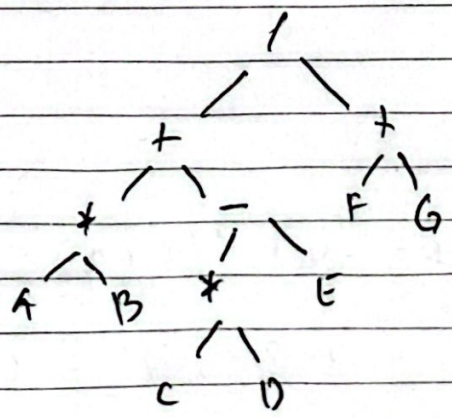
1. (A * B + (C * D - E)) / (F + G)

a) Convert Infix to prefix

) G + F (/)) E - D * C (+ B * A (

char	stack	curr
G F	) + (	
G F + E D	/)) -	*
G F + E D C	/)) - * (	
G F + E D C * - B	/) +	*
G F + E D C * - B A	/) + * (	
G F + E D C * - B A * + /		

↳ / + * A B - * C D E + F G Prefix



Inorder : (A * B) + (C * D - E) / (F + G)

Preorder : / + * A B - * C D E + F G

postorder : A B * C D * E - + F G + /

No.

Date

2. / + * 10 2 - * 8 3 4 + 6 2

a) / + * 10 2 - * 8 3 4 + 6 2

/ + * 10 2 - * 8 3 4 8

/ + * 10 2 - 24 4 8

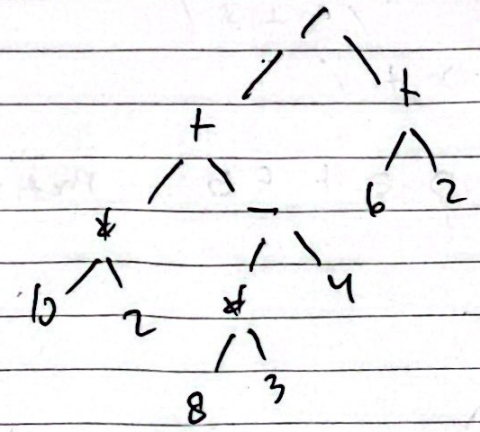
/ + * 10 2 20 8

/ + 20 20 8

/ 40 8

5

b)



Inorder = (6 * 2) + (8 * 3 - 4) / (6 + 2)

Prefix = / + * 6 2 - * 8 3 4 + 6 2

postfix = 6 2 * 8 3 * 4 - + 6 2 + /