

CBSE NET JUNE 2012 PAPER II

Q. The postfix expression $AB + CD - *$ can be evaluated using a

- (A) Stack
- (B) Tree
- (C) Queue
- (D) Linked list

Ans: (A)

Explanation: Stack method is used to convert infix to postfix and postfix to infix. For example, see image, to learn how to convert infix to postfix using stack..

INFIX to POSTFIX $\Rightarrow$

Expression	Current Symbol	Stack	Output
A/BAC-D	Initial	NULL	—
A/BAC-D	A	NULL	A
A/BAC-D	/	/	A
A/BAC-D	B	/	AB
A/BAC-D	A	/A	AB
A/BAC-D	C	/A	ABC
A/BAC-D	-	—	ABC A /
A/BAC-D	D	—	ABC A / D
A/BAC-D	NULL	NULL	ABC A / D -

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