

### infix expression to post fix

A	+	B	*	C	/	D	*	E	+	F	*	G	-	H
A	+	B	*	C	/	D	*	E	+	F	*	G	-	H
A	+	B	C	*	/	D	*	E	+	F	*	G	-	H
A	+	B	C	*	/	D	*	E	+	F	*	G	-	H
A	+	B	C	*	D	/	*	E	+	F	*	G	-	H
A	+	B	C	*	D	/	E	*	+	F	*	G	-	H
A	+	B	C	*	D	/	E	*	+	F	*	G	-	H
A	+	B	C	*	D	/	E	*	+	F	*	G	-	H
A	+	B	C	*	D	/	E	*	+	F	G	*	-	H
A	B	C	*	D	/	E	*	+	+	F	G	*	-	H
A	B	C	*	D	/	E	*	+	+	F	G	*	-	H
A	B	C	*	D	/	E	*	+	F	G	*	+	-	H
A	B	C	*	D	/	E	*	+	F	G	*	+	-	H
A	B	C	*	D	/	E	*	+	F	G	*	+	H	-
A	B	C	*	D	/	E	*	+	F	G	*	+	H	-

### infix expression to pre fix

A	+	B	*	C	/	D	*	E	+	F	*	G	-	H
A	+	B	*	C	/	D	*	E	+	F	*	G	-	H
A	+	*	B	C	/	D	*	E	+	F	*	G	-	H
A	+	/	*	B	C	D	*	E	+	F	*	G	-	H
A	+	/	*	B	C	D	*	E	+	F	*	G	-	H
A	+	*	/	*	B	C	D	E	+	F	*	G	-	H
A	+	*	/	*	B	C	D	E	+	F	*	G	-	H
A	+	*	/	*	B	C	D	E	+	*	F	G	-	H
A	+	*	/	*	B	C	D	E	+	*	F	G	-	H
+	A	*	/	*	B	C	D	E	+	*	F	G	-	H

+	+	A	*	/	*	B	C	D	E	*	F	G	-	H
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-	+	+	A	*	/	*	B	C	D	E	*	F	G	H
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evaluate prefix														
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4	+	5	*	3	/	5	+	6	*	7	/	3	+	9
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4	+	5	*	3	/	5	+	6	*	7	/	3	+	9
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4	+	15	/	5	+	6	*	7	/	3	+	9
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4	+	15	/	5	+	6	*	7	/	3	+	9
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4	+	15	/	5	+	6	*	7	/	3	+	9
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4	+	3	+	6	*	7	/	3	+	9
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4	+	3	+	6	*	7	/	3	+	9
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4	+	3	+	6	*	7	/	3	+	9
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4	+	3	+	42	/	3	+	9
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4	+	3	+	42	/	3	+	9
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4	+	3	+	42	/	3	+	9
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4	+	3	+	14	+	9
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4	+	3	+	14	+	9
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4	+	3	+	14	+	9
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7	+	14	+	9
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7	+	14	+	9
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21	+	9
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21	+	9
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30
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infix expression to post fix														
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4	+	5	*	3	/	5	+	6	*	7	/	3	+	9
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4	+	5	*	3	/	5	+	6	*	7	/	3	+	9
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4	+	5	3	*	/	5	+	6	*	7	/	3	+	9
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[illegible]

### infix expression to pre fix

4	+	5	*	3	/	5	+	6	*	7	/	3	+	9
4	+	5 * 3			/	5	+	6	*	7	/	3	+	9
4	+	* 5 3			/	5	+	6	*	7	/	3	+	9
4	+	* 5 3 / 5					+	6	*	7	/	3	+	9
4	+	/ * 5 3 5					+	6	*	7	/	3	+	9
4	+	/ * 5 3 5					+	6	*	7	/	3	+	9
4	+	/ * 5 3 5					+	* 6 7			/	3	+	9
4	+	/ * 5 3 5					+	* 6 7			/	3	+	9
4	+	/ * 5 3 5					+	* 6 7 / 3					+	9
4	+	/ * 5 3 5					+	/ * 6 7 3					+	9

4	+	/	*	5	3	5	+	/	*	6	7	3	+	9
4	+	/	*	5	3	5	+	/	*	6	7	3	+	9
+	4	/	*	5	3	5	+	/	*	6	7	3	+	9
+	4	/	*	5	3	5	+	/	*	6	7	3	+	9
+	4	/	*	5	3	5	+	/	*	6	7	3	+	9
+	+	4	/	*	5	3	5	/	*	6	7	3	+	9
+	+	4	/	*	5	3	5	/	*	6	7	3	+	9
+	+	4	/	*	5	3	5	/	*	6	7	3	+	9
+	+	4	/	*	5	3	5	/	*	6	7	3	+	9
+	+	+	4	/	*	5	3	5	/	*	6	7	3	9