

Example of infix to  
prefix

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Input	Stack	prefix
)	)	
2	)	2
*	)*	2
3	)*	23
(		23*
+	+	23*
3	+	23*3
+	+	23*3+
2	+	23*3+2
	Empty	23*3+2+

Final prefix

+2+3\*32