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Infix, Prefix, Postfix Expressions
5 * 3
<ul> <li>Infix: binary operators are written between operands</li> </ul>
•Postfix: operator after the operands
•Prefix: operator before the operands
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Algorithm. converting in- to post-			
Create an empty stack to hold operators			
Main loop:			
Read a token			
If operand, output it immediately			
If '(', push the '(' on stack     If operator			
			hold it aside temporarily
if stack top is an	op of => precedence: pop and output		
repeat until '	('is on top or stack is empty		
<ul> <li>If ')' non and ou</li> </ul>	tout until (/ bas boon nonnod		
Donoot until one	l of input		
Repeat until end	l of input		
Pop and output	rest of stack		

Magic Trick		
<ul> <li>Suppose you into an initial</li> </ul>	had a bunch of numbers, and inserted them all y empty BST.	
Then suppos	e you traversed the tree in-order.	
<ul> <li>The nodes w words, the nu</li> <li>Try it!</li> </ul>	ould be visited in order of their values. In other umbers would come out sorted!	
This algorithr	n is called TreeSort	



