Infix to Postfix Conversion

Example 3: a – (b + c * d) / e

in	stack(bottom to top)	postfix
a		a
-	~	
(	– (	
b		a b
+	– (+	
c		a b c
*	– (+ *	
d		a b c d
)	–	a b c d * +
/	– /	
e		a b c d * + e
		a b c d * + e / –

Handwritten numbers in left margin (top to bottom): 1, 4, 2, 1, 4, 1, 4, 1, 3

On my honor, I pledge that I have neither received nor provided improper assistance in the completion of this assignment.

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Infix to Postfix Conversion

- **Example 4:** A * (B + C * D) + E

	in	stack(bottom to top)	postfix
1	A		A
2	*	*	
3	(	*(	
4	B		AB
5	+	*(+	
6	C		ABC
7	*	*(+*	
8	D		ABCD
9	)	*	ABCD*+
10	+	+	ABCD*+*
11	E		ABCD*+*E
12			ABCD*+*E+

1. Operands are output immediately
2. Push "(" always and operators in general.
3. For ")", pop until "(". Discard "(" and ")".
4. For higher precedence operator, push it.
5. For lower or equal precedence operator, pop them until "(" and push it.