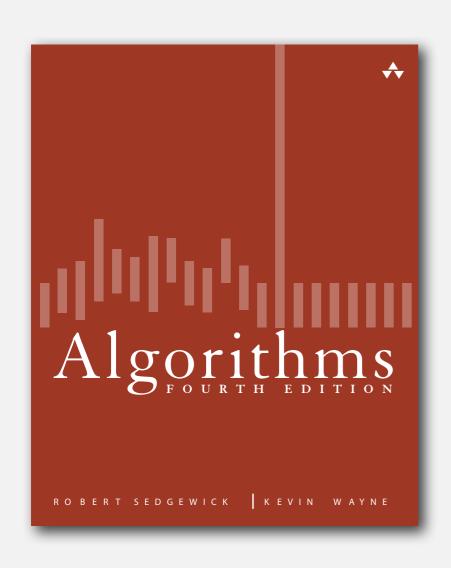
1.3 DIJKSTRA'S TWO-STACK ALGORITHM

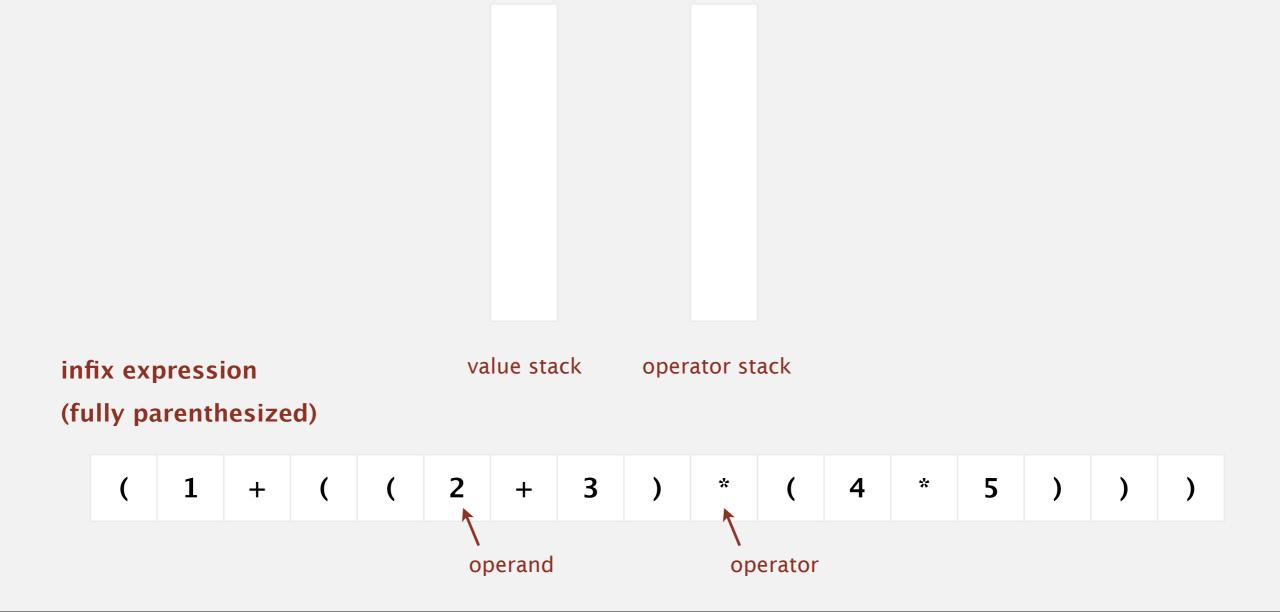


click to begin demo

Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

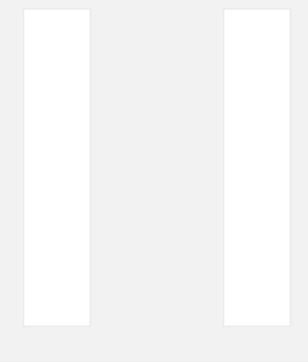


Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

Right parenthesis: pop operator and two values; push the result of applying that operator to those values onto the operand stack.



value stack

operator stack



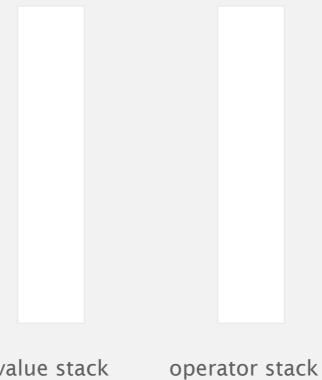


Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

Right parenthesis: pop operator and two values; push the result of applying that operator to those values onto the operand stack.



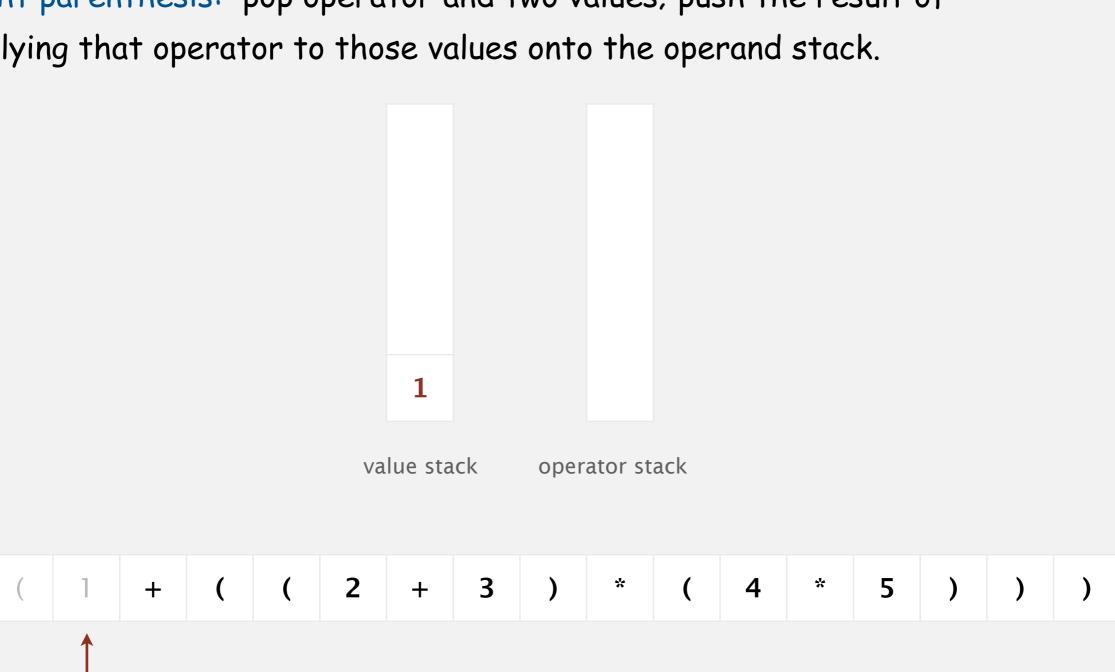
value stack



Value: push onto the value stack.

Operator: push onto the operator stack.

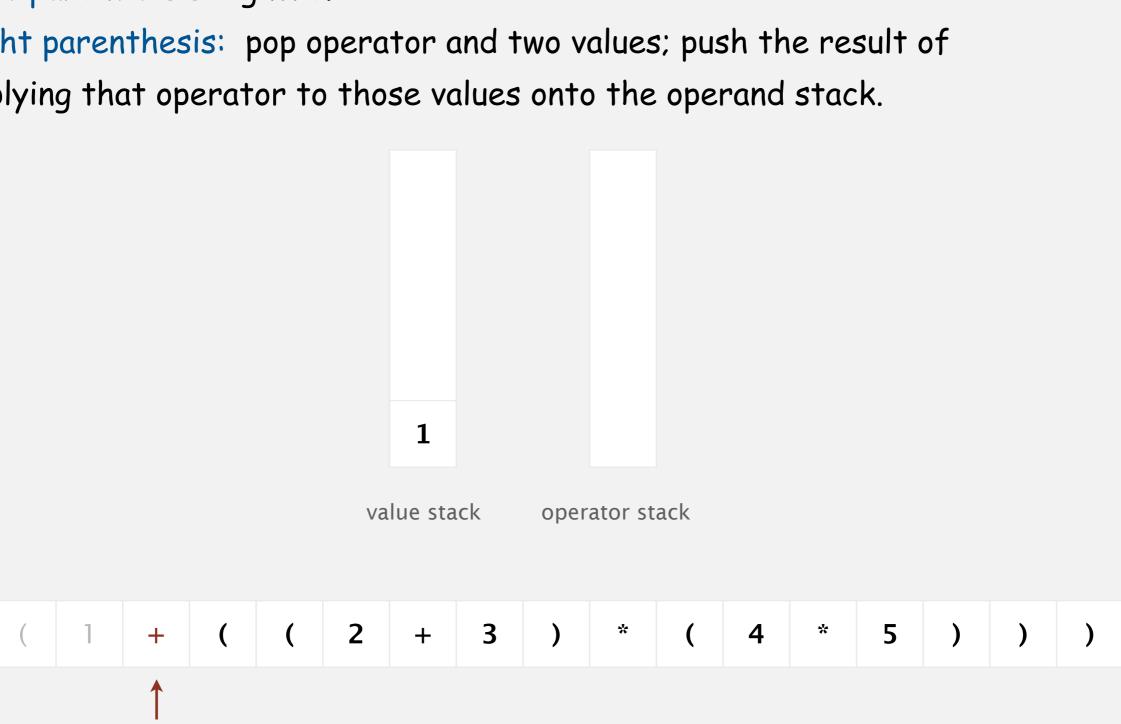
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

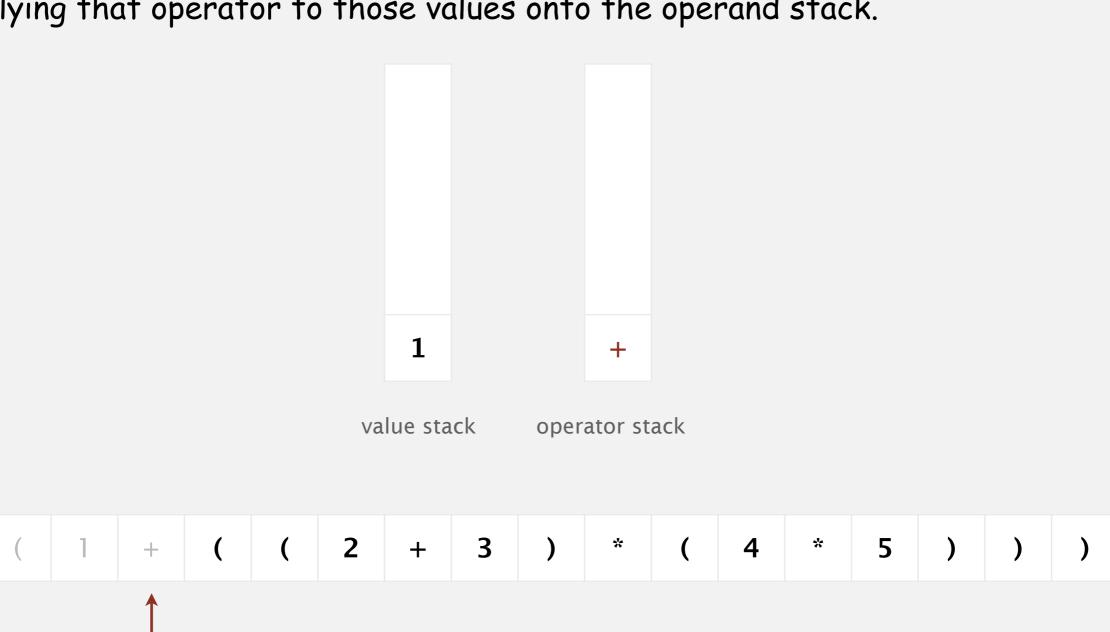
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

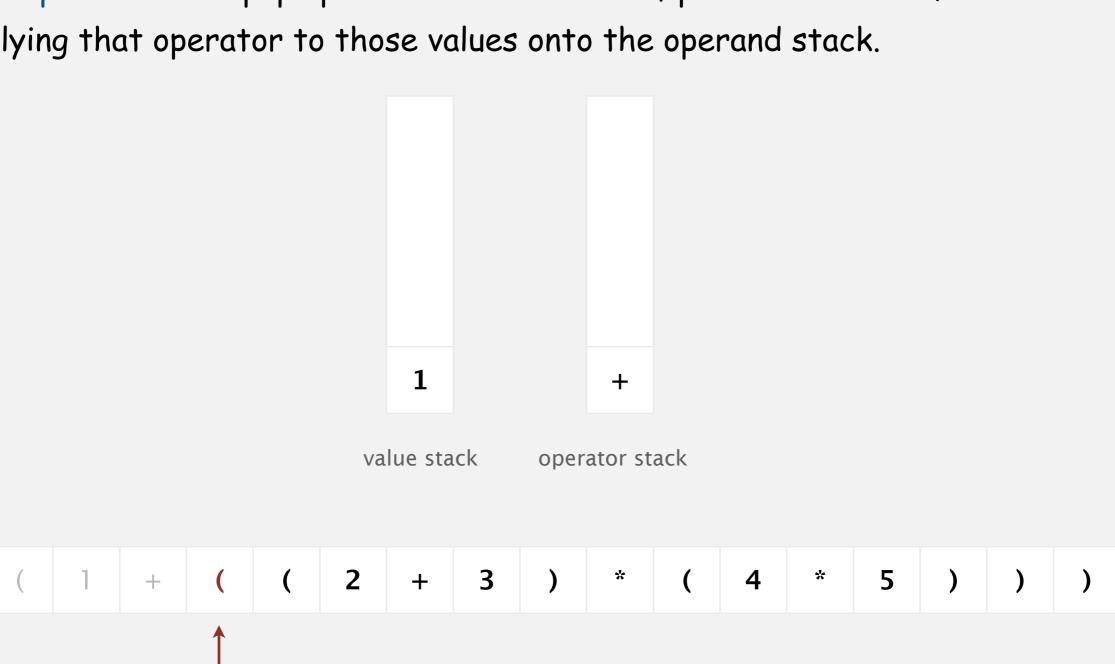
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

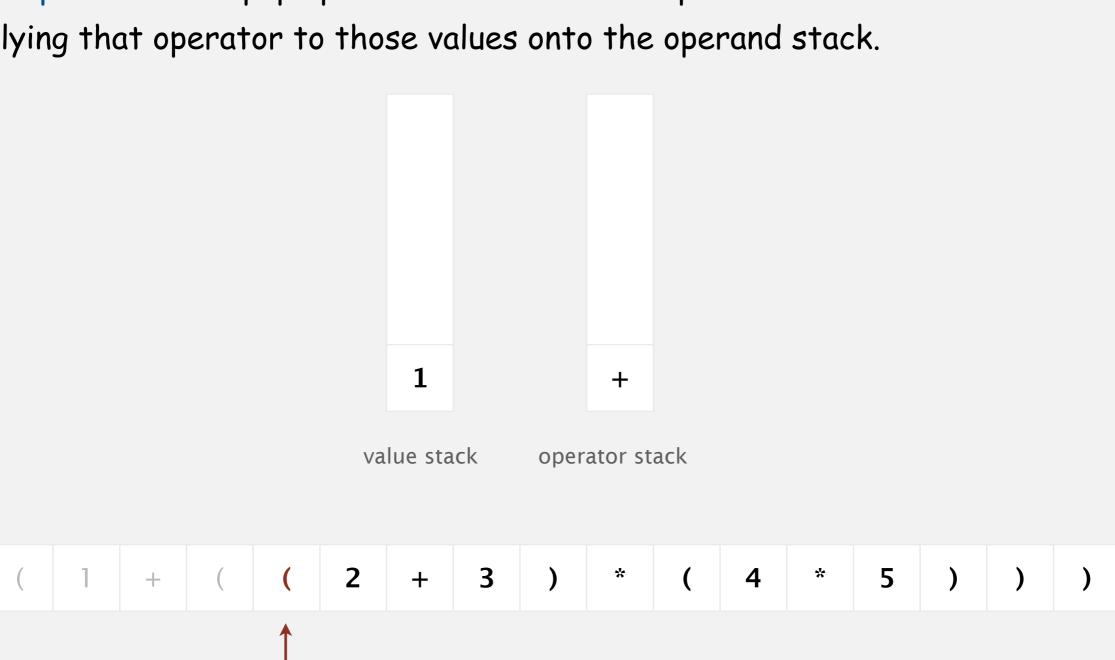
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

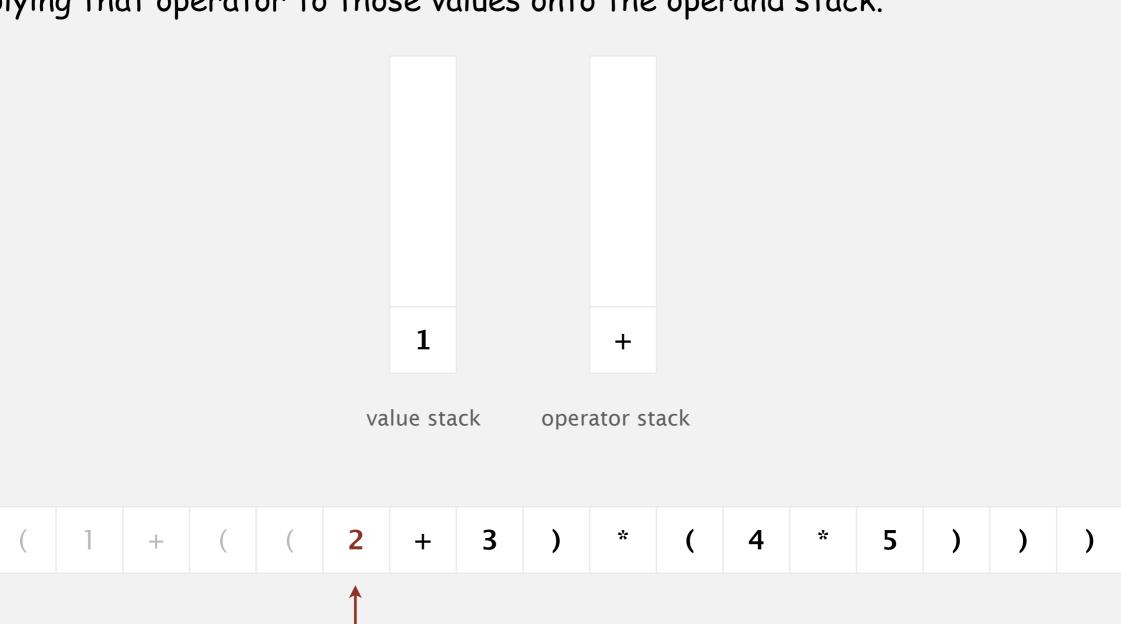
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

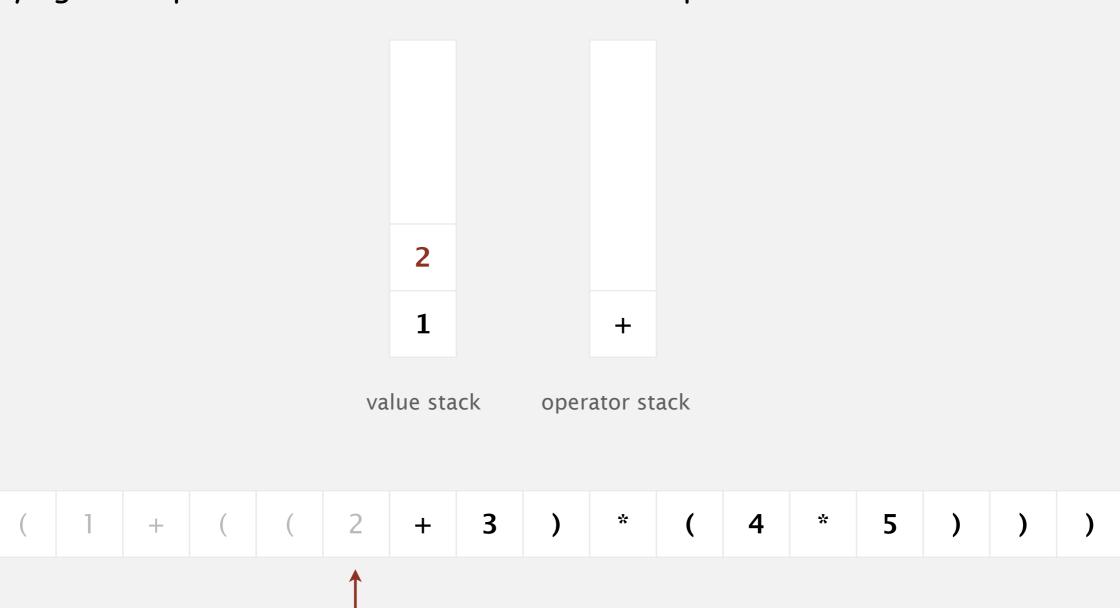
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

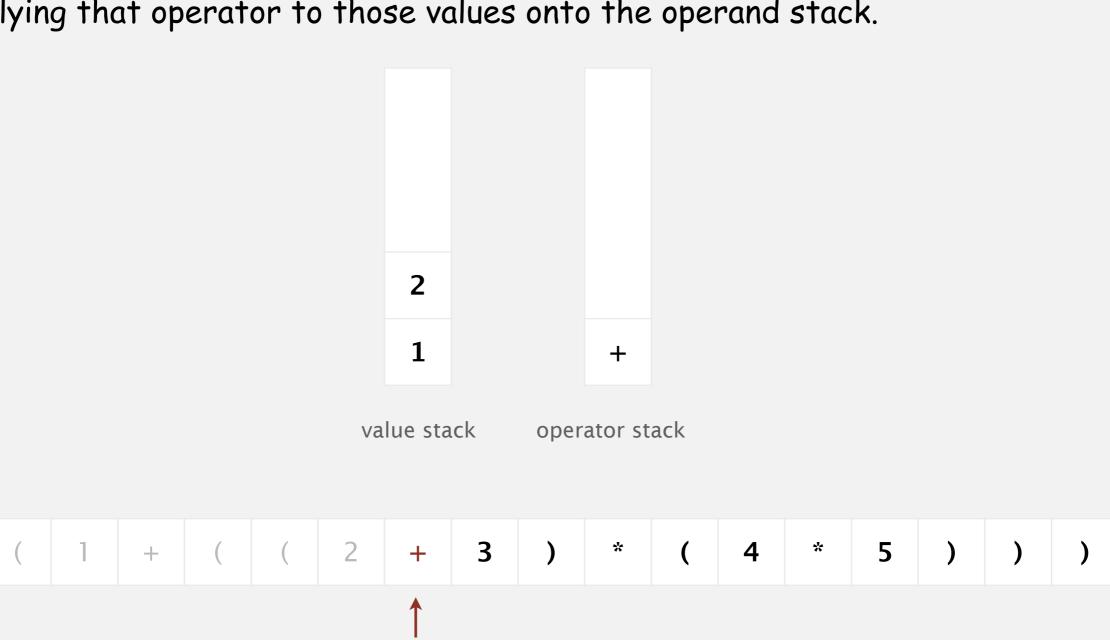
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

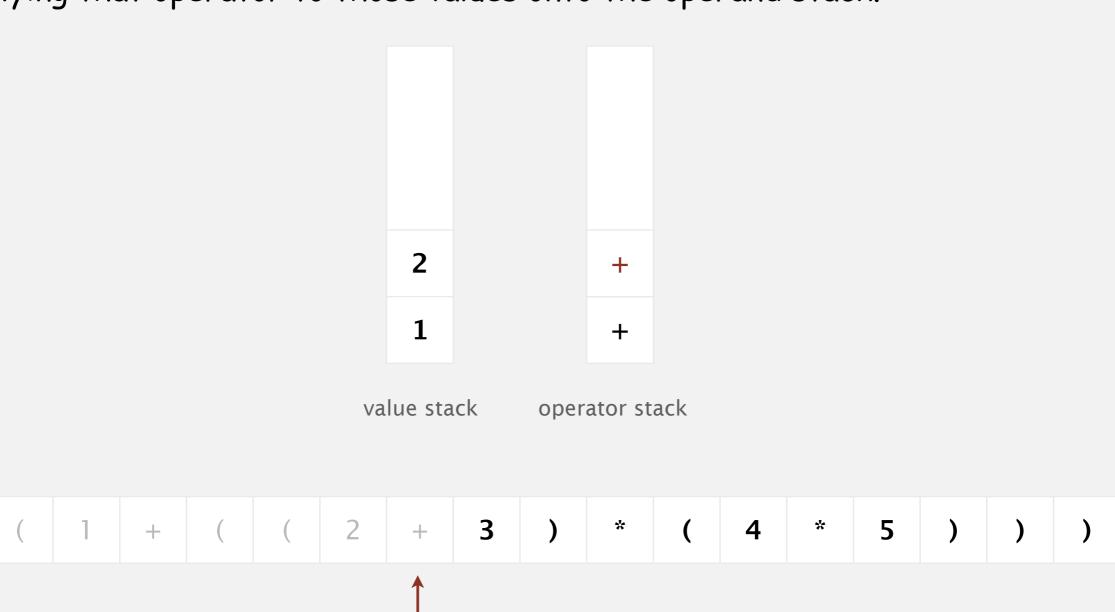
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

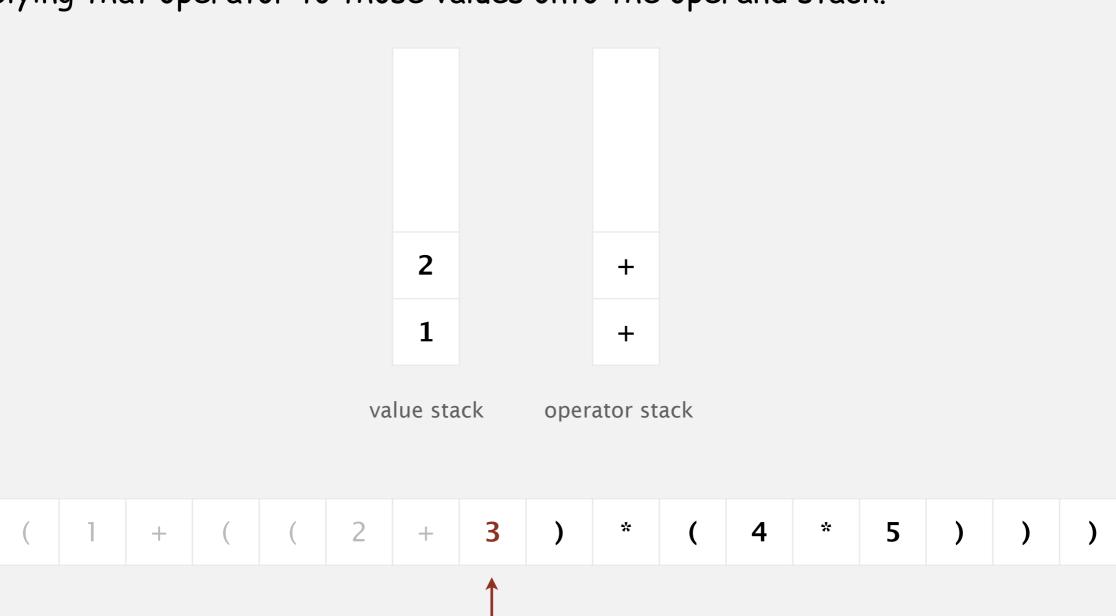
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

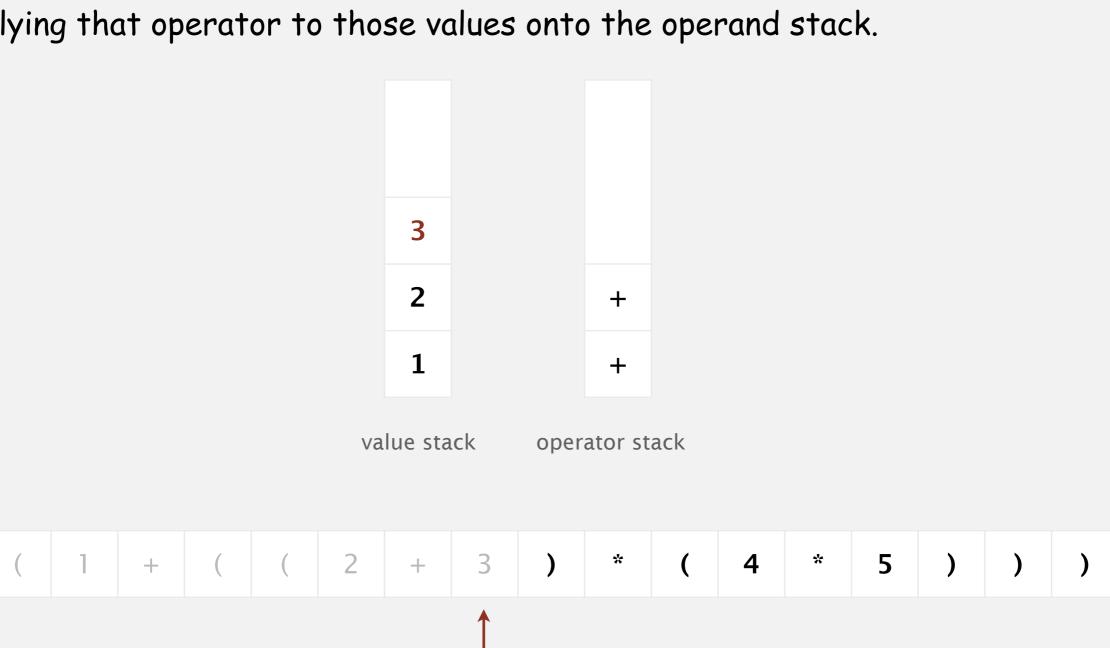
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

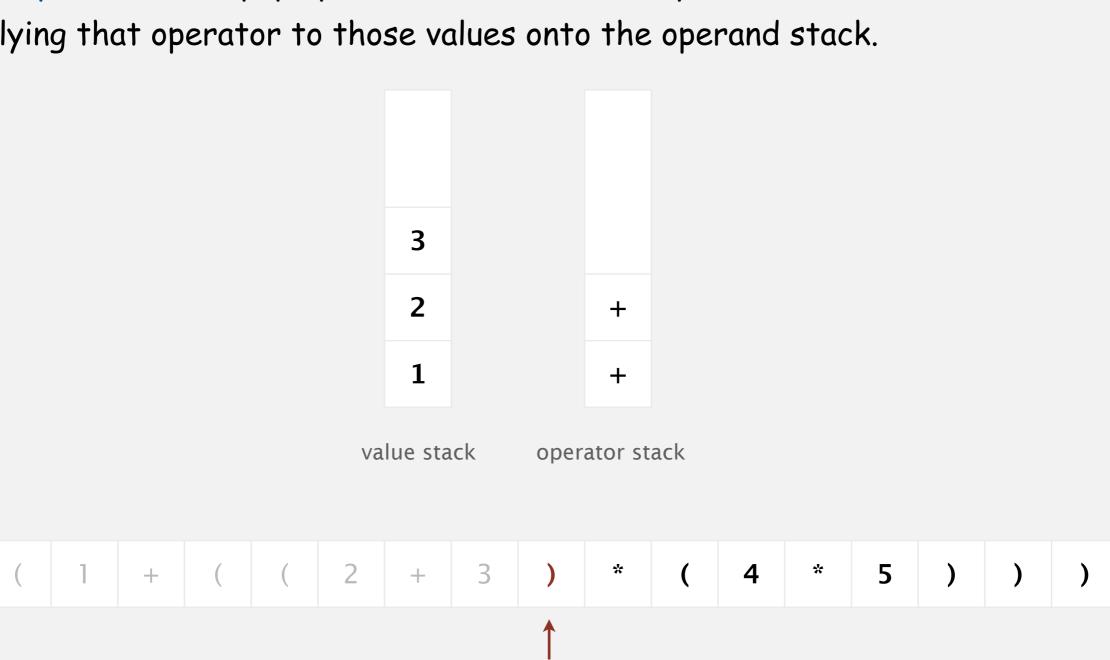
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

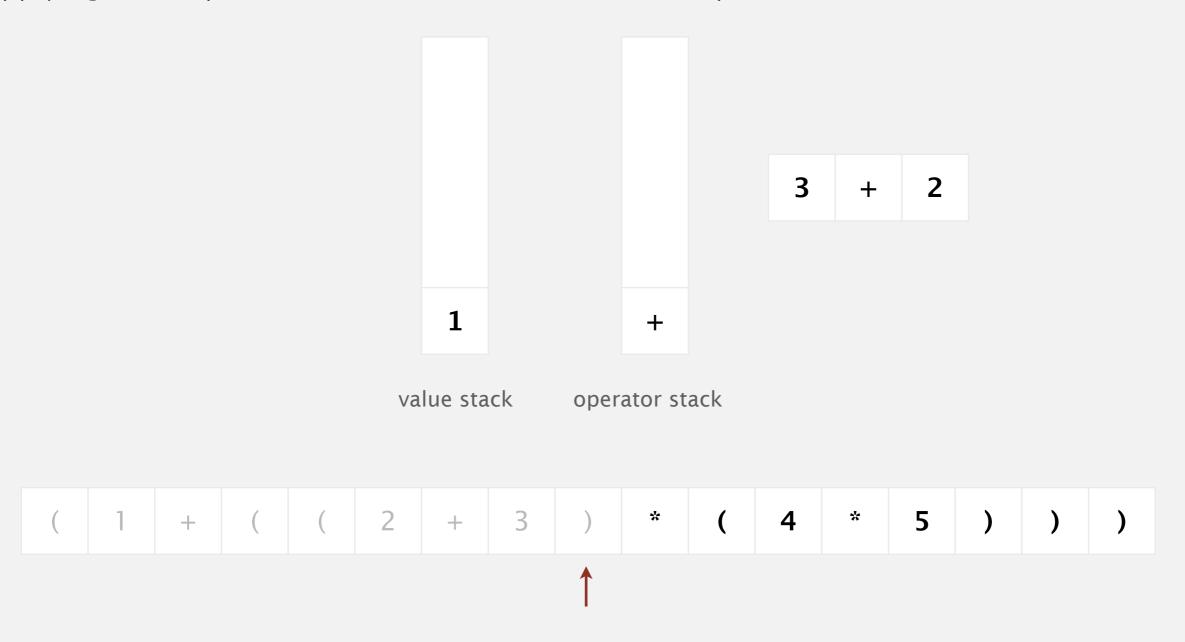
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

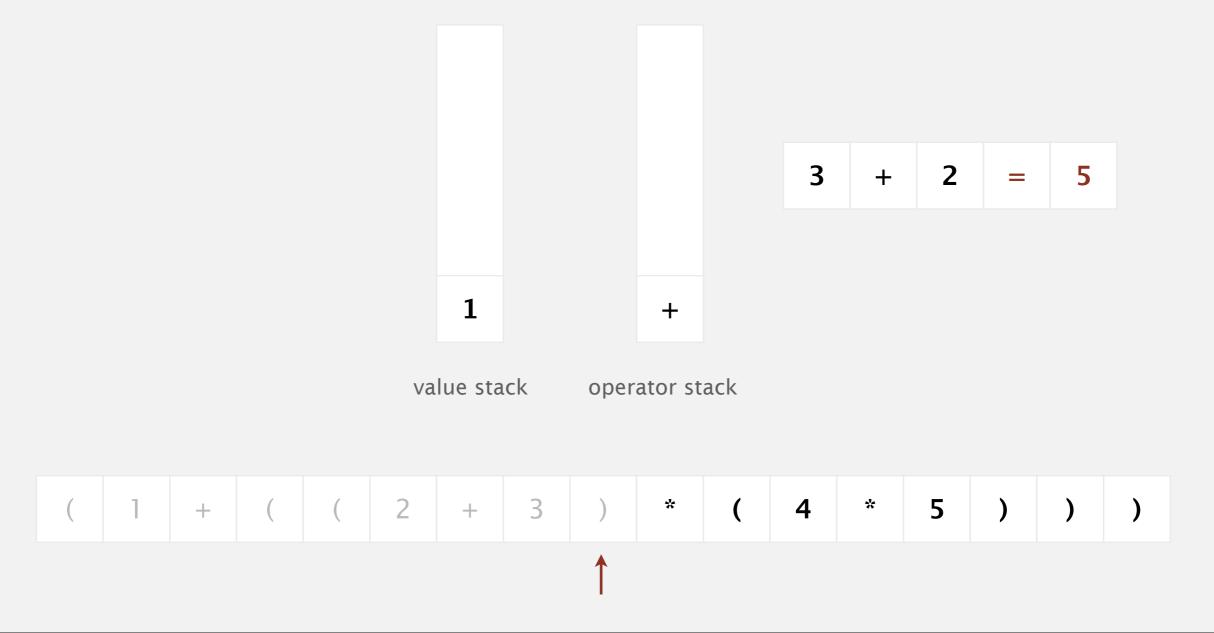
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

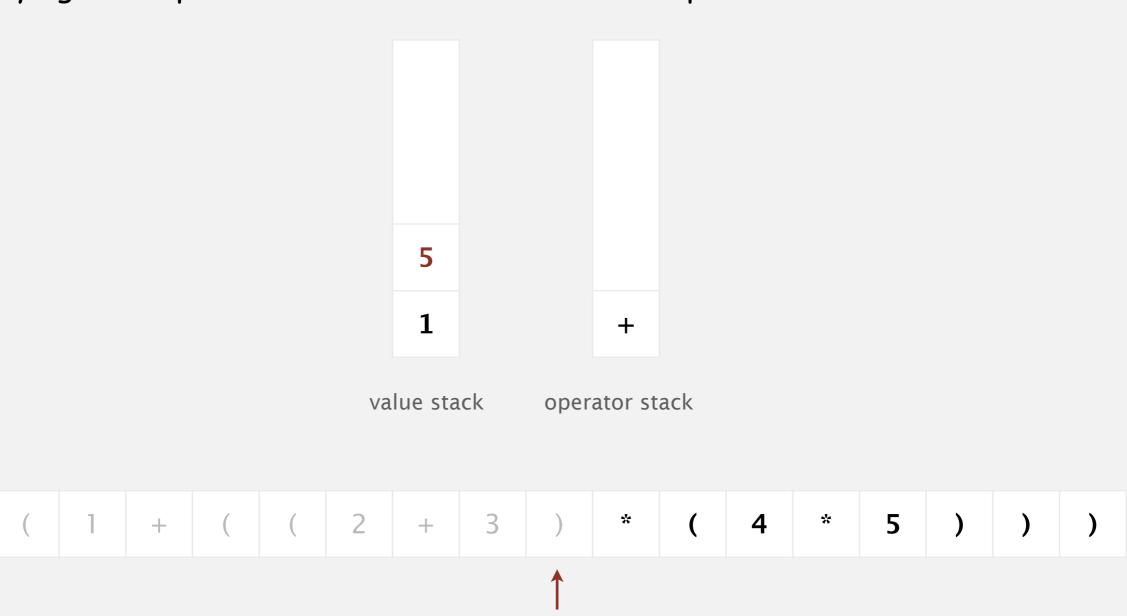
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

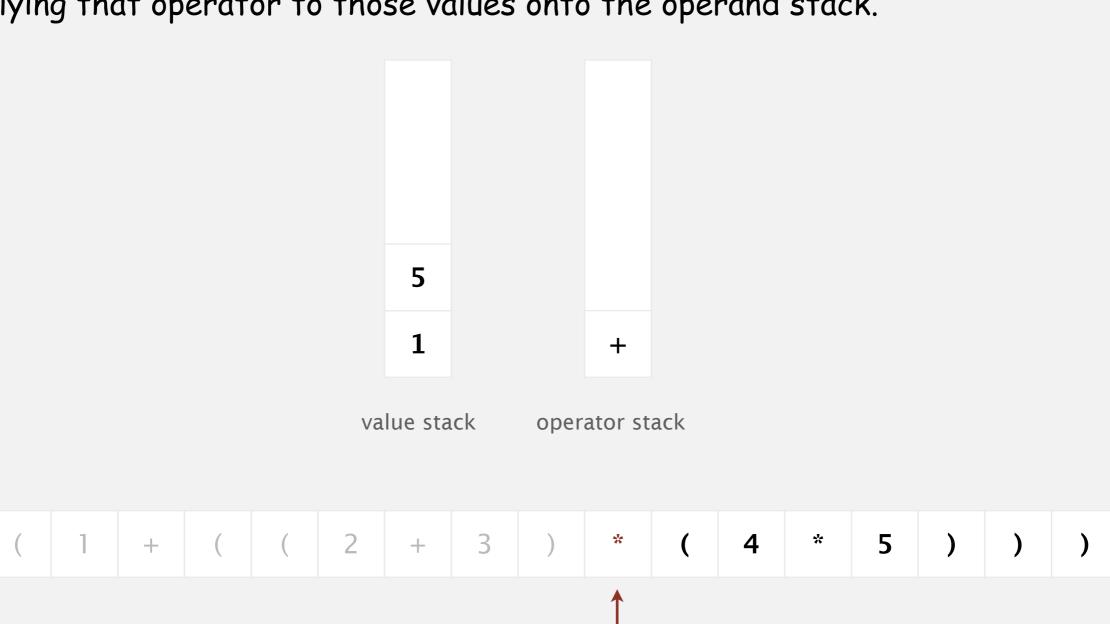
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

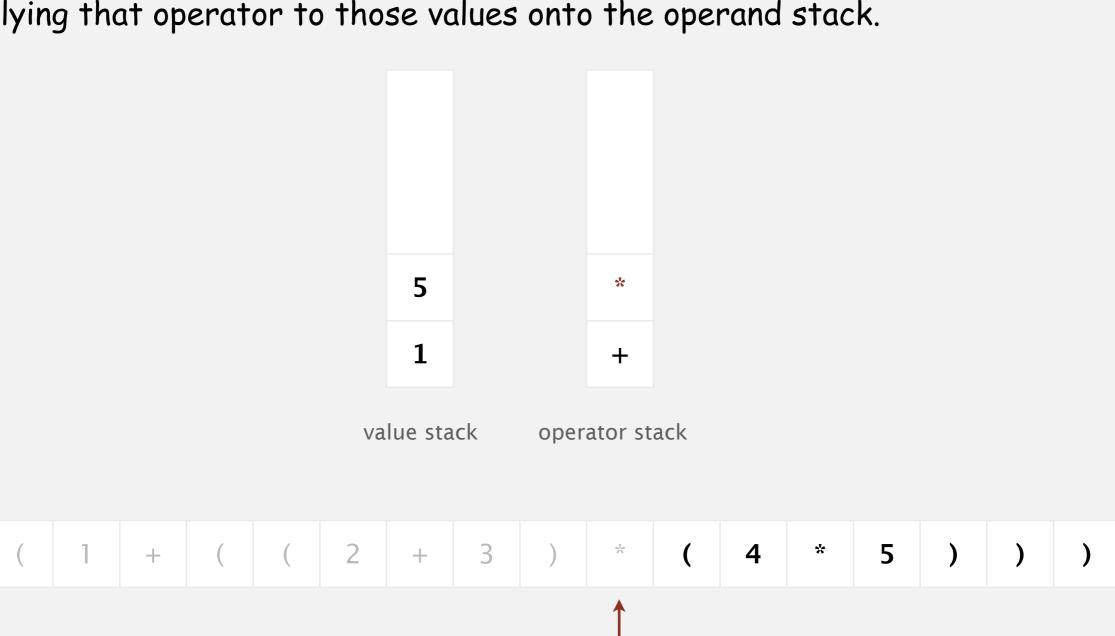
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

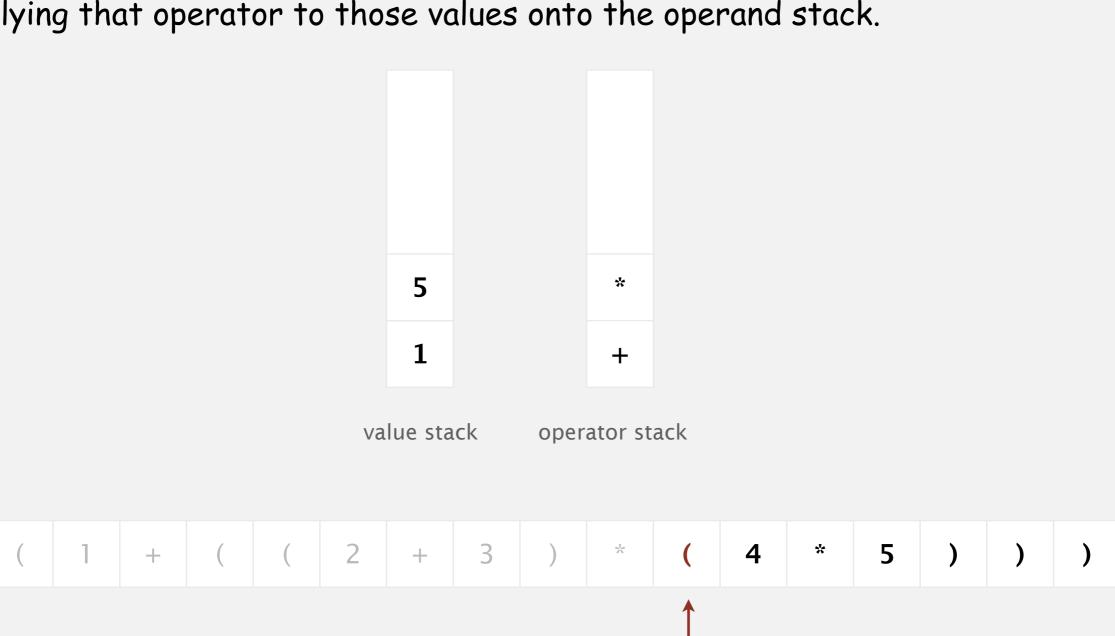
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

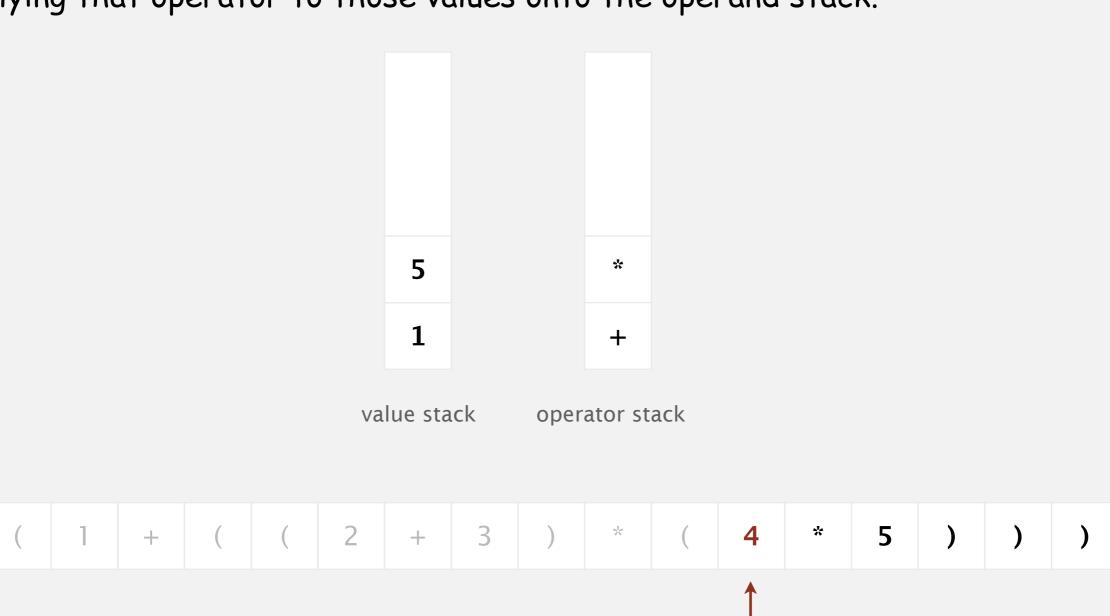
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

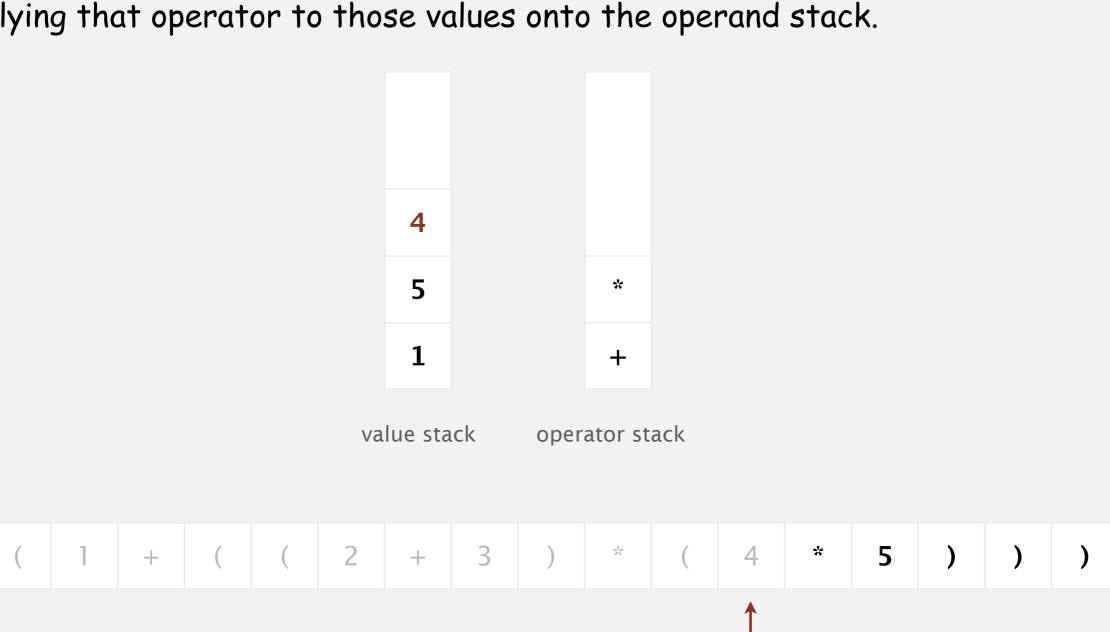
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

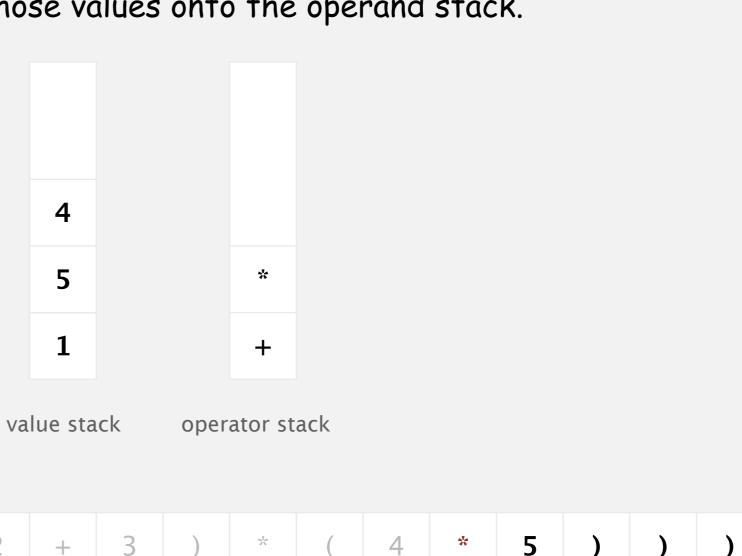
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

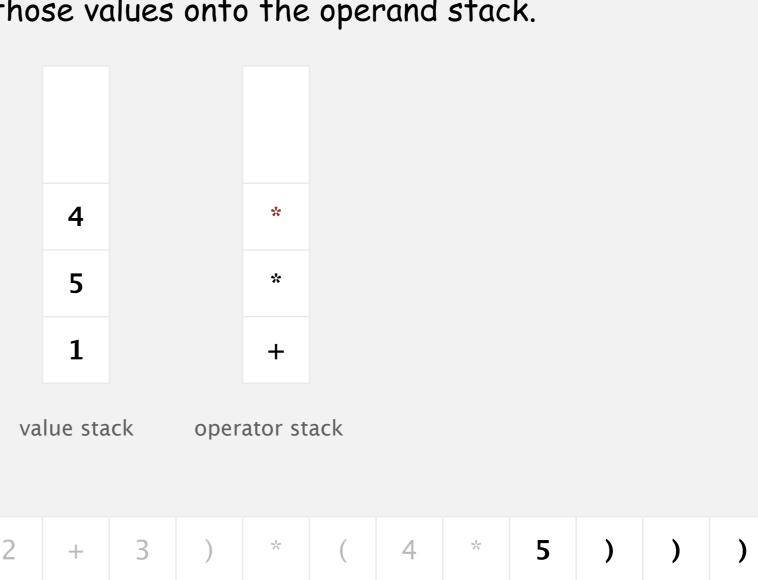
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

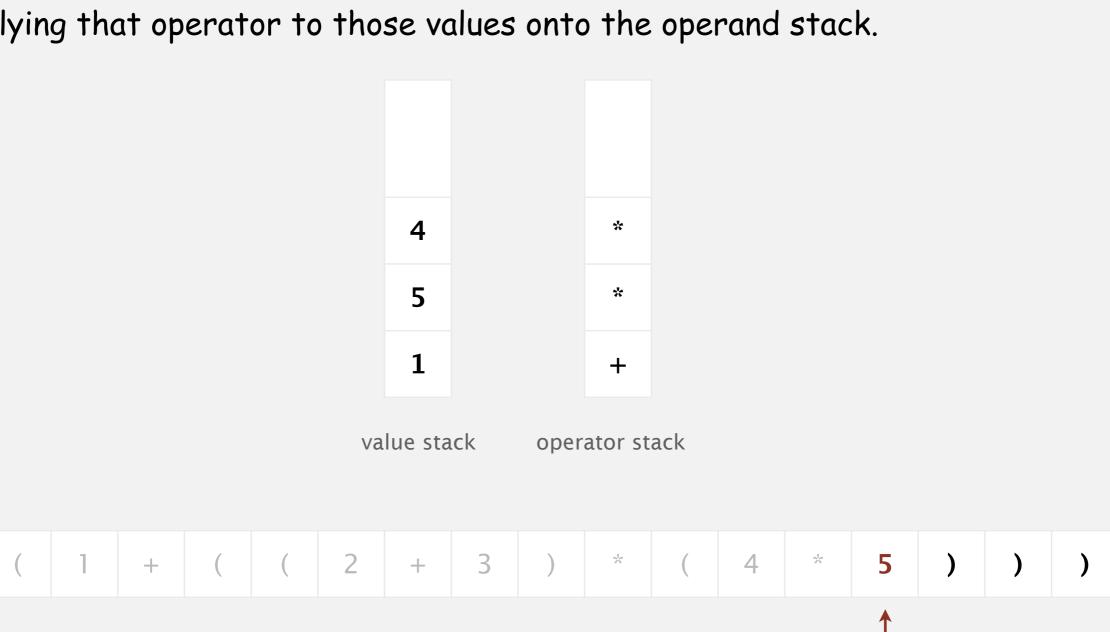
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

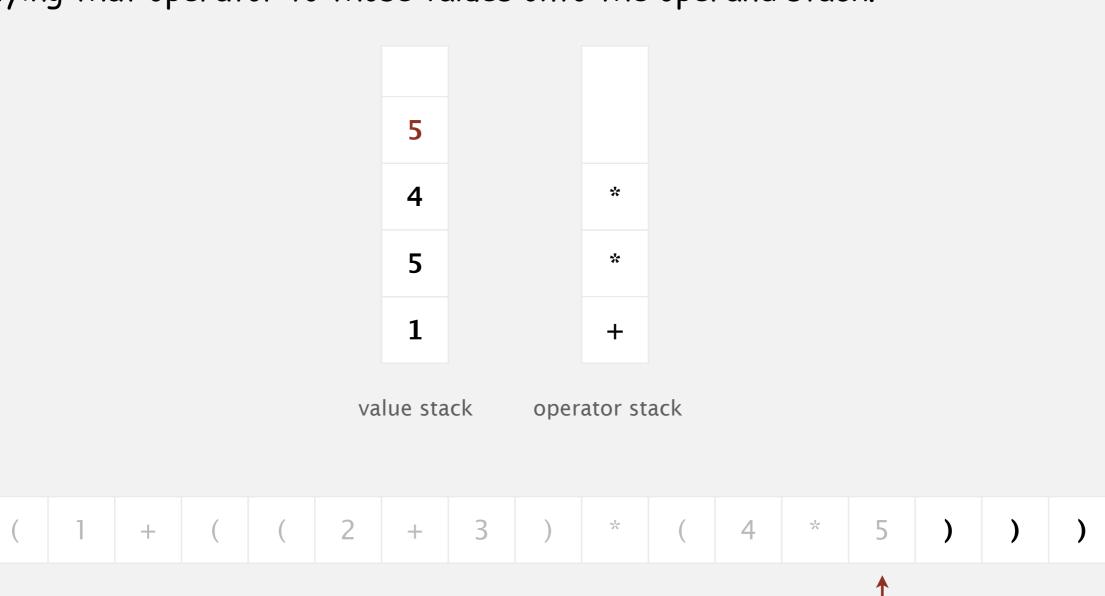
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

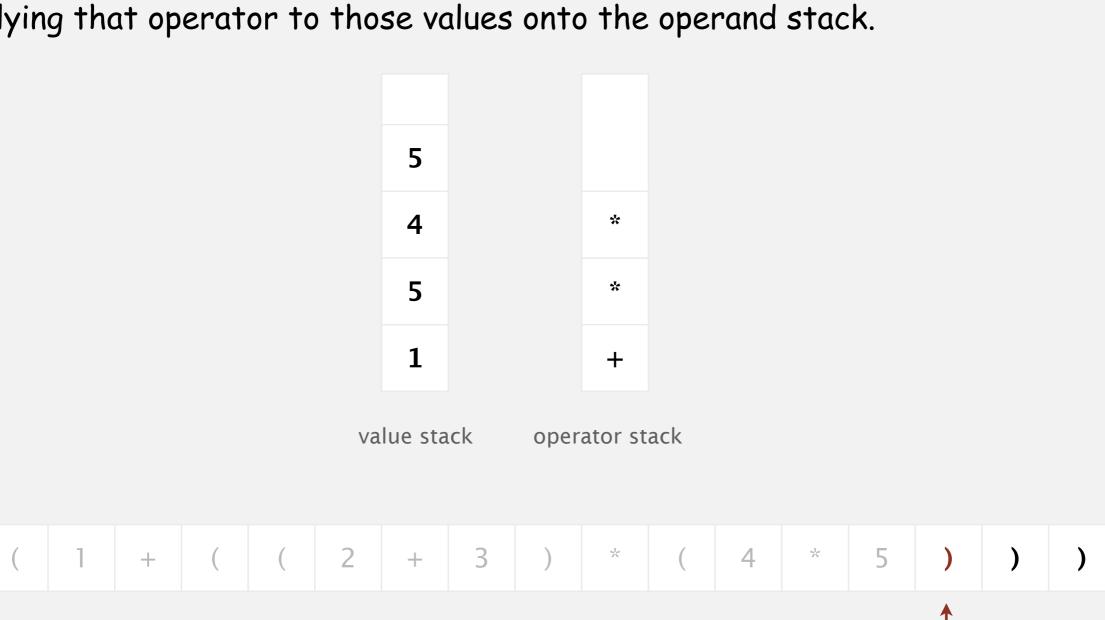
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

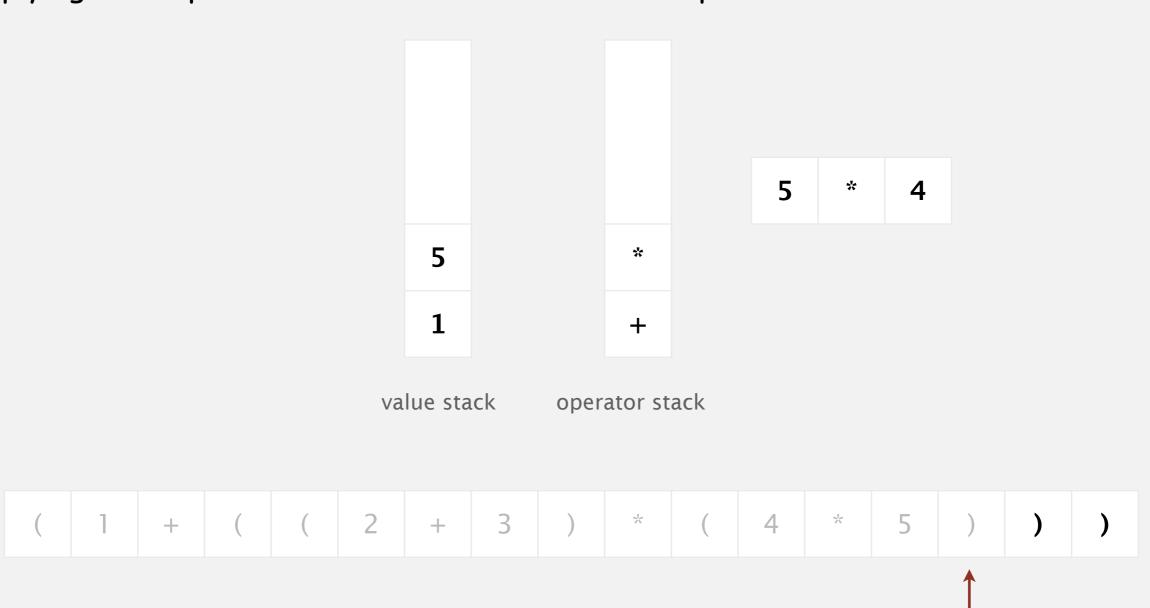
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

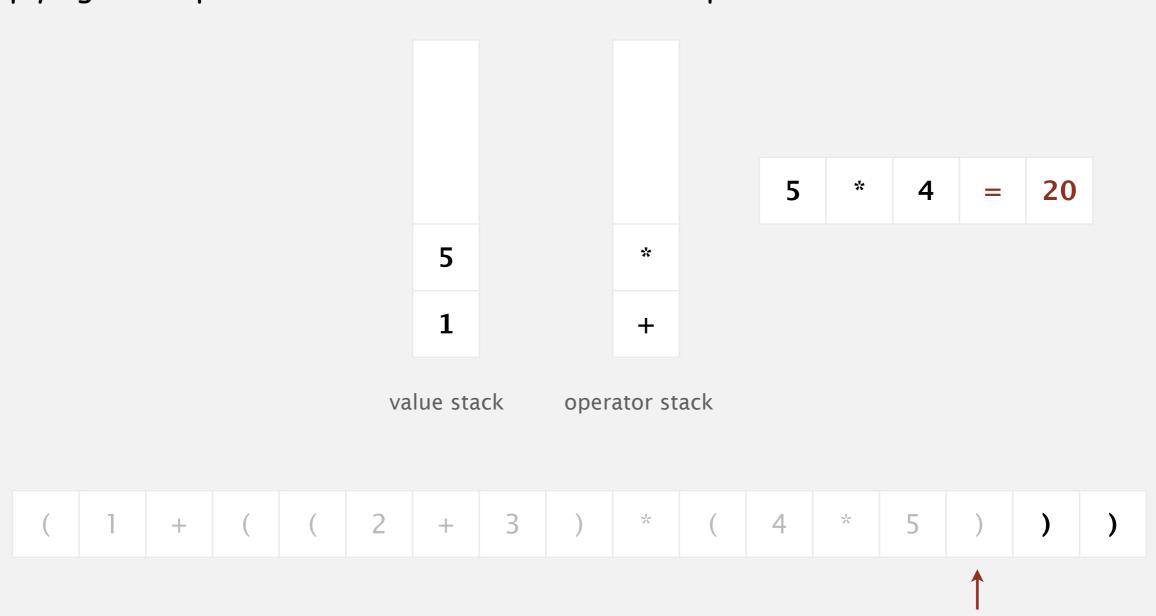
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

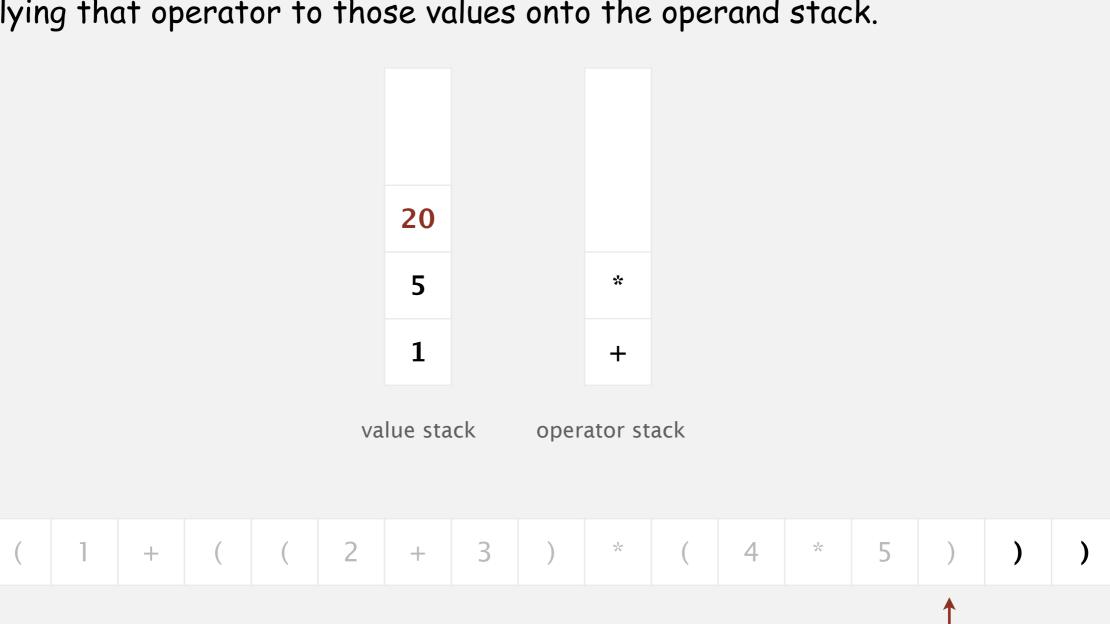
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

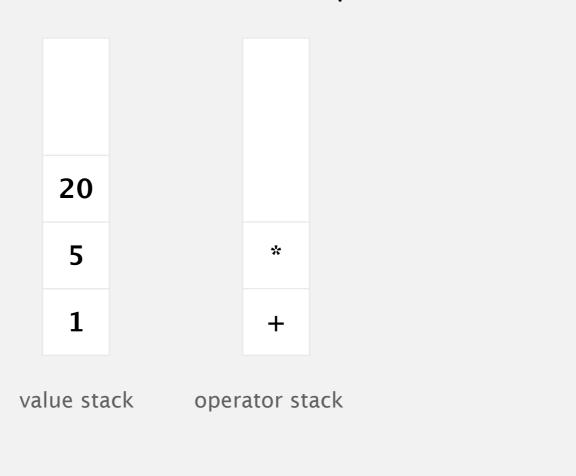
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

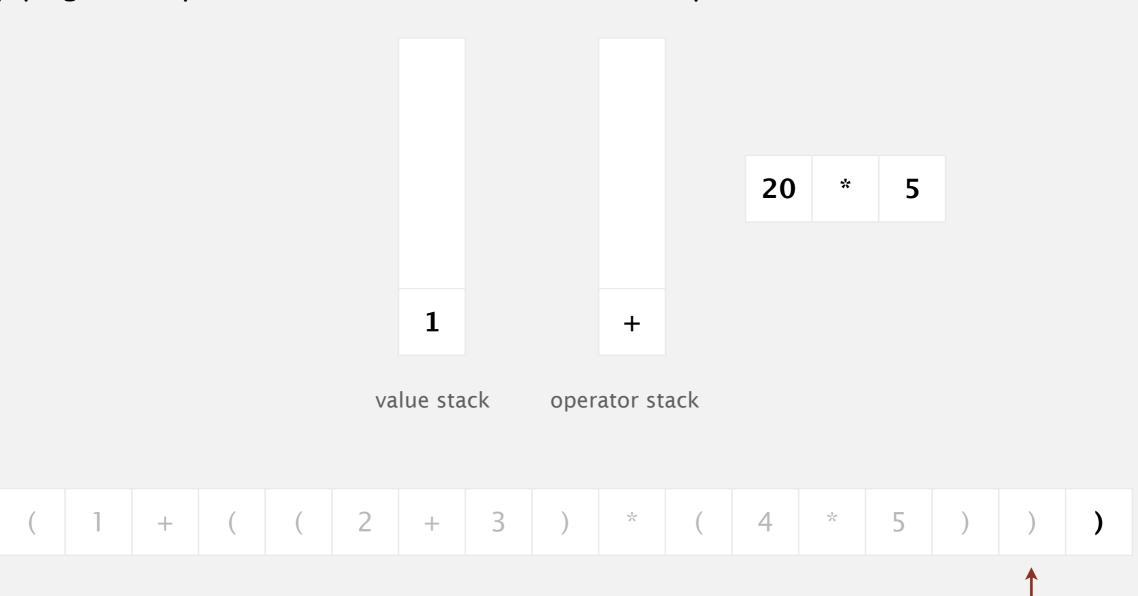




Value: push onto the value stack.

Operator: push onto the operator stack.

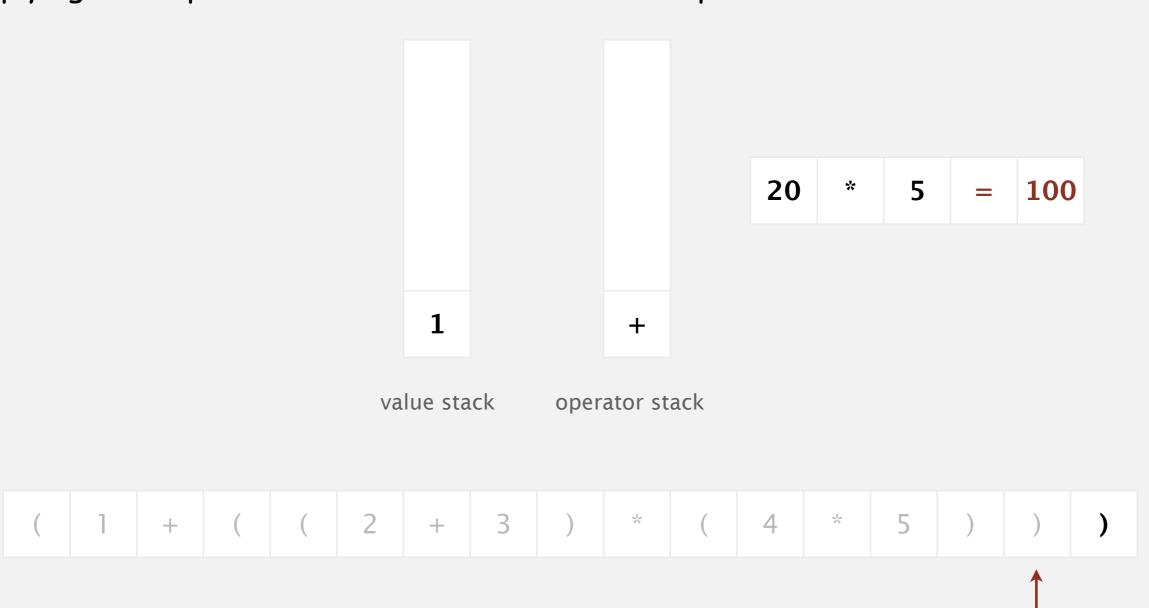
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

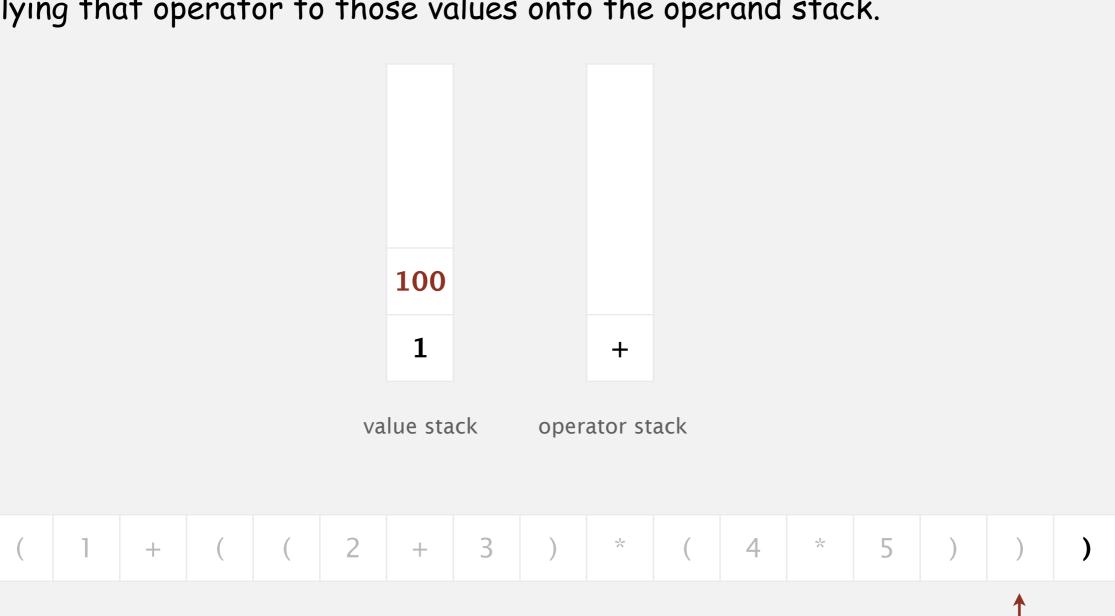
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

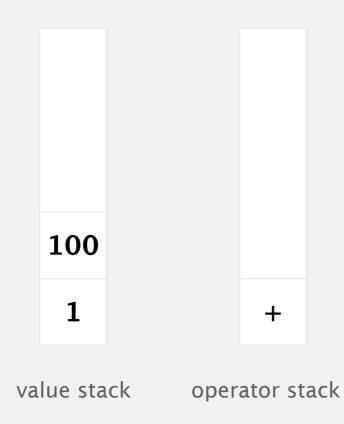


Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

Right parenthesis: pop operator and two values; push the result of applying that operator to those values onto the operand stack.

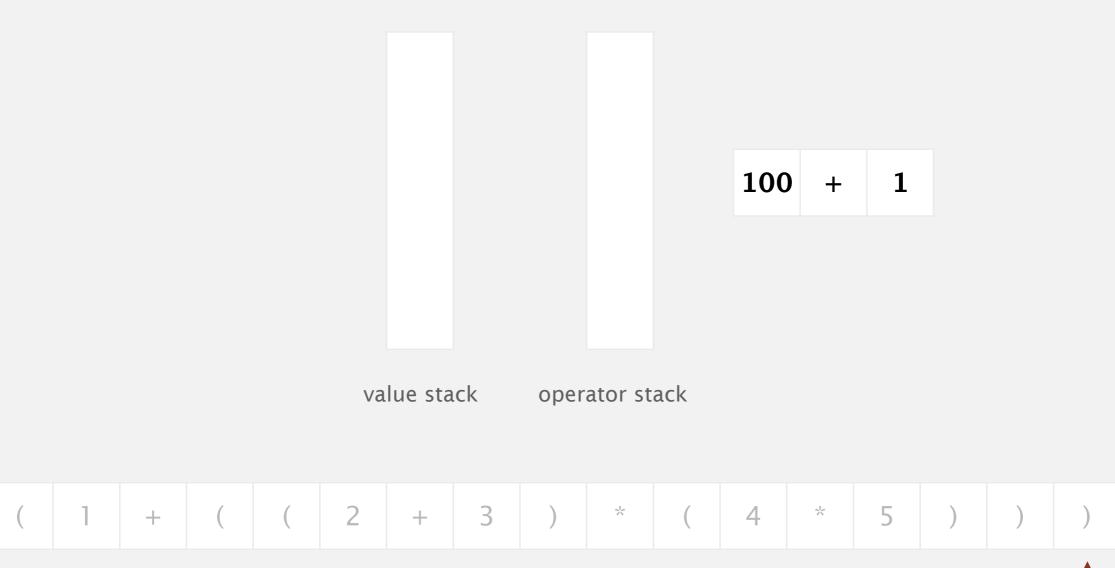


(1 + (2 + 3) * (4 * 5) **)**

Value: push onto the value stack.

Operator: push onto the operator stack.

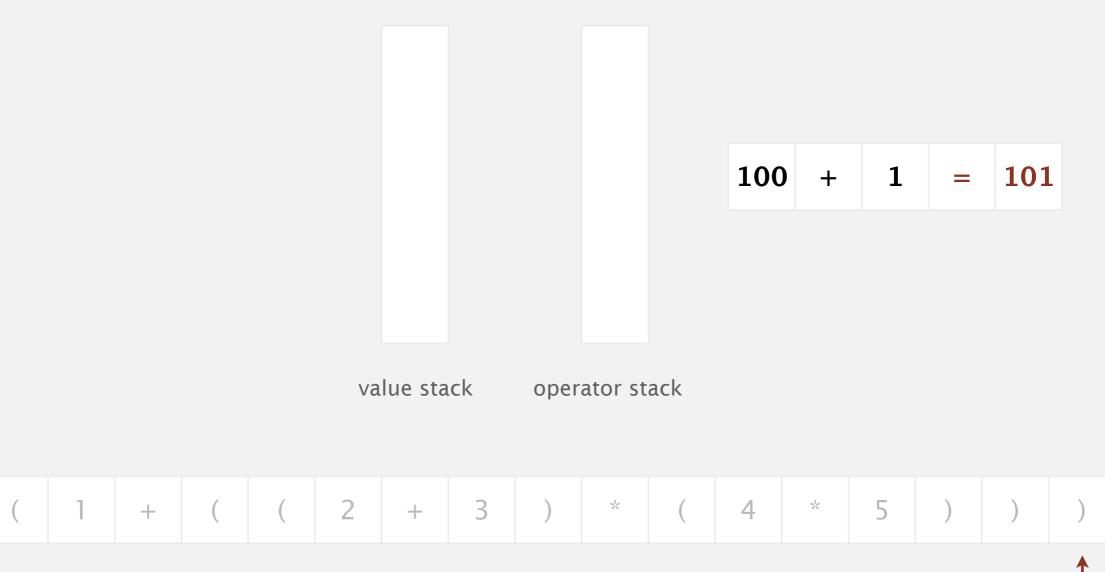
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

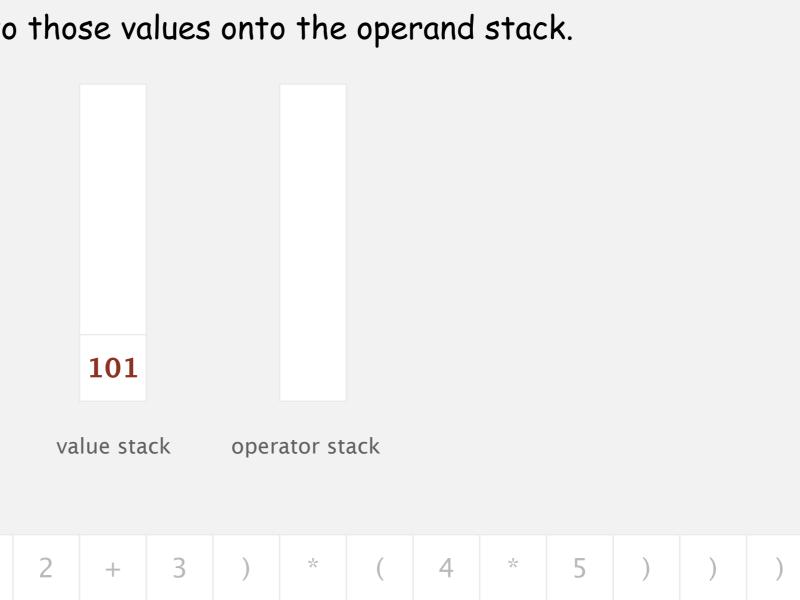
Left parenthesis: ignore.



Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

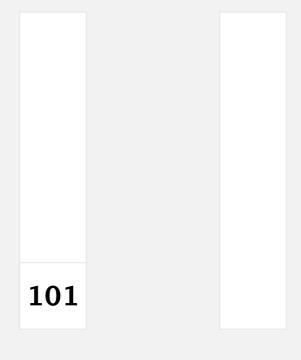


Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

Right parenthesis: pop operator and two values; push the result of applying that operator to those values onto the operand stack.



value stack

operator stack



Value: push onto the value stack.

Operator: push onto the operator stack.

Left parenthesis: ignore.

Right parenthesis: pop operator and two values; push the result of applying that operator to those values onto the operand stack.

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result

(1 + ((2 + 3) * (4 * 5))