

	A	B	C	D	E
1	Demonstaration				
2	stack				
3	stack	size			{"size":0}
4	stack	push	{"el":1}		{}
5	stack	top			{"el":1}
6	stack	push	{"el":1}		{}
7	stack	push	{"el":1}		{}
8	stack	pop			{"el": 5}
9	stack	push	{"el": 5}		{}
10	stack	pop			{"el":1}
11	stack	push	{"el":1}		{}
12					

The diagram illustrates a sequence of stack operations and the resulting state of the stack. Red arrows indicate the flow of data and state changes:

- From row 4 (push {"el":1}) to row 5 (top {"el":1}).
- From row 5 (top {"el":1}) to row 6 (push {"el":1}).
- From row 6 (push {"el":1}) to row 7 (push {"el":1}).
- From row 7 (push {"el":1}) to row 8 (pop {"el": 5}).
- From row 8 (pop {"el": 5}) to row 9 (push {"el": 5}).
- From row 9 (push {"el": 5}) to row 10 (pop {"el":1}).
- From row 10 (pop {"el":1}) to row 11 (push {"el":1}).

A vertical red arrow on the right side of the table points upwards from row 5 to row 11, indicating the overall state of the stack after the sequence of operations.