

Virtual Machine II

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Virtual Machine Instruction Exercises

Show how the contents of memory changes as each of the following instructions is executed. The first two are completed for you.

- 1: push argument 1
- 2: pop local 0
- 3: push argument 0
- 4: push constant 12
- 5: add
- 6: pop pointer 1

Memory:

Address	Value	1	2	3	4	5	6
0	263	264	263				
1	259						
2	256						
3	500						
4	600						
5	19						
6	4						
7	-12						
256	700						
257	8						
258	19						
259	6		8				
260	13						
261	12						
262	17						
263	3	8					
264	27						
265	-29						