Name: Harikrishna Pillai　　　　　　　　　　　　**EOC Assignment 4**
Roll No: AM.EN.U4AIE21034

q1)
SimpleAdd.vm

q2)
StackTest.vm

File   View   Run   Help

Animate: No animation
View: Script
Format: Decimal
Slow   Fast

ROM Asm

1019	
1020	
1021	
1022	
1023	
1024	
1025	
1026	
1027	
1028	
1029	
1030	
1031	
1032	
1033	
1034	
1035	
1036	
1037	
1038	
1039	
1040	
1041	
1042	
1043	
1044	
1045	
1046	
1047	

RAM

0	266
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0

```
compare-to StackTest.cmp,
output-list RAM[0]%D2.6.2
        RAM[256]%D2.6.2 RAM[257]%D2.6.2 RAM[258]%D2.6.2 RAM[259]%D2.6.2

set RAM[0] 256,   // initializes the stack pointer

repeat 1000 {     // enough cycles to complete the execution
  ticktock;
}

// outputs the stack pointer (RAM[0]) and
// the stack contents: RAM[256]-RAM[265]
output;
output-list RAM[261]%D2.6.2 RAM[262]%D2.6.2 RAM[263]%D2.6.2 RAM[264]%D2
output;
```

D   82

ALU

D input :   82

M/A input :   265

ALU output :   266

PC   1033

A   0

End of script - Comparison ended successfully