Stephen Sallas
sms0107
09/22/2020
COMP 4300

Encoding

Stack Simulator:

.text

0x01200000	PUSH
0x01200000	PUSH
0x04000000	MULT
0x01200001	PUSH
0x04000000	MULT
0x01200002	PUSH
0x01200000	PUSH
0x04000000	MULT
0x01200003	PUSH
0x03000000	ADD
0x03000000	ADD
0x02000000	POP
0x05000000	END

.data

0x00200000:3	X
0x00200001:7	A
0x00200002:5	B
0x00200003:4	C

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Accumulator Simulator:

.text

0x01200000	LOAD
0x04200000	MULT
0x04200001	MULT
0x02300000	STORE
0x01200002	LOAD
0x04200000	MULT
0x02300001	STORE
0x01200003	LOAD
0x03300000	ADD
0x03300001	ADD
0x05000000	END

.data

0x00200000:3	X
0x00200001:7	A
0x00200002:5	B
0x00200003:4	C