

Homework 5

9/19/23 'A'
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1. Variable	Address	Data
Rose	0x003A460A	23
	0x003A460B	-
Magnolia	0x003A460C	AB
	0x003A460D	4A
Cannas (1)	0x003A460E	8A
	0x003A460F	12C
	0x003A4610	78
	0x003A4611	AB
Cannas (2)	0x003A4612	90
	0x003A4613	CF

2. step 7: mov eax, beta[esi]

computation: $\text{beta} + (\text{esi} \cdot 4) = 00402000 + (00000004 \cdot 4) = 00402010$

$= 00402000 + (00000004 \cdot 4) = 00402010$

step 9: mov ebx, 4[ebx]

computation: $\text{ebx} + 4 = 00402014 + 4 = 00402018$

step 11: mov eax, 4[ebx][esi]

computation: $\text{ebx} + 4 + (\text{esi} \cdot 4) =$

$= 00402014 + 4 + (00000004 \cdot 4) = 00402028$

* All other steps do not have computations