

Homework #4
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Q1.

```
1.
    if (R0 >= R1) {
        R3 = R0 - R2;
        R0 = 25;
    } else {
        R4 = R2 - R0;
        R0 = 15;
    }
```

- 2. Final Value of R0: 25
- 3. Final Value of R0: 15

Q2.

Address	draw_mem1	draw_mem2	draw_mem3
	PUSH{R1}	PUSH{R2}	STR R4, [R3]
0x200003F8	00	00	00
0x200003F9	00	AA	AA
0x200003FA	00	FF	FF
0x200003FB	00	FF	B3
0x200003FC	FF	FF	FF
0x200003FD	00	00	B4
0x200003FE	FF	FF	FE
0x200003FF	AA	AA	AA
0x20000400	00	00	00

Q3.

Screenshots: