Q1.1 – The LEDs flash from right-to-left (if read with the most significant bit on the left).

R6 displays the current value of the 8-bit binary number. For example, if the rightmost LED is lit, it represents binary 1 (00000001), the second from right represents binary 2 (00000010).

Example: 00000100 (binary 8)

r5	0b000000101111111111111111111111111111
r6	0b0000000000000000000000000000000000000
7	05000000001111110011011101100100000

Q1.2 – In lab1_1.s (original code), **R3** represents the right-most value or bound, in this case a binary 1 to restart the sequence.

12	υσυστιτιτιταυ
r3	0b0000000000000000000000000000000000000
4	050000000000000000000000000000000000000

In the **new code** given in Q1.2, **R3** represents the current (and only) value of the LED lights.

	r2	0b111111110010000000000000000000000000
- 1	r3	0b000000000000000000000000010100101
	r4	0b1111111111111111111110111000011110000