**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)



**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.



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

