Assignment 2

After executing the following commands, what values will the flags have?
Flags are arranged in the form of `NZCV`. `N` – negative, `Z` – equal, `C` – unsigned greater or equal, `V` – overflow.

1. Code:

   ```
   00 E3A00020 MOV r0,#0x20
   04 E3A01020 MOV r1,#0x20
   08 E0512000 SUBS r2,r1,r0
   ```

   1. 0x0
   2. 0xA
   3. 0x6
   4. 0x2
   5. 0x9
   6. other

2. Code:

   ```
   00 E3A00103 MOV r0, #0xC0000000
   04 E3A0120F MOV r1, #0xF0000000
   08 E0513000 SUBS r3, r1, r0
   ```

   1. 0x5
   2. 0x2
   3. 0x9
   4. 0x1
   5. 0x6
   6. other

3. Code:

   ```
   00 E3A00102 MOV r0, #0x80000000
   04 E3A01101 MOV r1, #0x40000000
   08 E0517000 SUBS r7, r1, r0
   ```

   1. 0x1
   2. 0x9
   3. 0xD
   4. 0xB
   5. 0x4
   6. other

4. Code:

   ```
   00 E3A0020A MOV r0, #0xA0000000
   04 E3A0120F MOV r1, #0xF0000000
   08 E0913000 ADDS r3, r1, r0
   0c E0432000 SUB r2, r3, r0
   ```

   1. 0xA
   2. 0x3
   3. 0xC
   4. 0x2
   5. 0x1
   6. other