a = -71        a+b        h = 9
b = -61        a-b → -71+61 → 61-71

| 71 | 2 | → 71 = 1 0 0 0 1 1 1 |
|----|---|
| 35 | 1 |
| 17 | 1 |          61 = 1 1 1 1 0 1
| 8  | 1 |
| 4  | 0 |
| 2  | 0 |
| 1  | 0 |
| 0  | 1 |

| 61 | 2 |
|----|---|
| 30 | 1 |
| 15 | 0 |
| 7  | 1 |
| 3  | 1 |
| 1  | 1 |
| 0  | 1 |

a +B

71 → 0 0 1 0 0 0 1 1 1  →  1 1 0 1 1 1 0 0 0  →  1 1 0 1 1 1 0 0 1

61 → 0 0 0 1 1 1 1 0 1  →  1 1 1 0 0 0 0 1 0  →  1 1 1 0 0 0 0 1 1

         c1                           c2

dato
che è         1 1 0 1 1 1 0 0 1 +
negativo      1 1 1 0 0 0 0 1 1
              X(1) 0 1 1 1 1 1 X⁰1⁰ 0 -
                                    1
passo in      1 0 1 1 1 1 0 1 1
compl 2
(+olgo 1 e inverto) (-132) 0 1 0 0 0 0 1 0 0

a -b  →  61 - 71

71 → 0 0 1 0 0 0 1 1 1  →  1 1 0 1 1 1 0 0 0  →  1 1 0 1 1 1 0 0 1

61 → 0 0 0 1 1 1 1 0 1  →  1 1 1 0 0 0 0 1 0  →  1 1 1 0 0 0 0 1 1

         c1                           c2

              1 1 0 1 1 1 0 0 1  +    71 c2

              0 0 0 1 1 1 1 0 1

neg           (1) 1 1 1 1 1 0 1 X⁰1⁰ -
quindi
compl 2

$$1 1 1 1 1 0 1 0 1$$
$$0 0 0 0 0 1 0 1 0 \rightarrow -10 \, dec$$

$$u=4$$

$$-4_{10} \rightarrow 0100 \rightarrow 1011 \rightarrow \overset{c2}{1100}$$

$$-5_{10} \rightarrow 0101 \rightarrow 1010 \rightarrow 1011$$

il riporto non è presente nelle ultime 2 cifre ma solo nell'ultima **OVERFLOW**

$$\overset{1}{1} 1 0 0 \; +$$
$$1 0 1 1$$
$$\overline{\cancel{1} 0 1 1 1} \; -$$

$$u=8$$

$$-85$$
$$+45$$

$$a+b = -85+45$$
$$a-b = -85-45$$

| 85 | 42/1 | 21/0 | 10/1 | 5/0 | 2/1 | 1/0 | 0/1 |
|----|------|------|------|-----|-----|-----|-----|

$$01010101 \rightarrow 10101010 \rightarrow 10101011$$

| 43 | 22/1 | 11/0 | 5/1 | 2/1 | 1/0 | 0/1 |
|----|------|------|-----|-----|-----|-----|

$$00101101 \rightarrow 11010010 \rightarrow 11010011$$

$$10101011 \; +$$
$$00101101$$
$$11011000 \rightarrow -40 \, dec$$

$$\overset{1}{1} 1 0 1 0 1 1 1$$
$$0 0 1 0 1 0 0 0$$
$$\underset{32 \quad 8}{}$$

```
 ¹10101011  +
  11010011
101111110
```

OVERFLOW