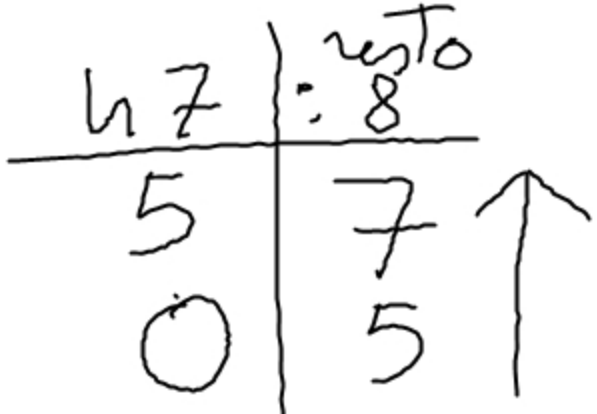
TRASFORMAZIONE DECIMALE OTTALE

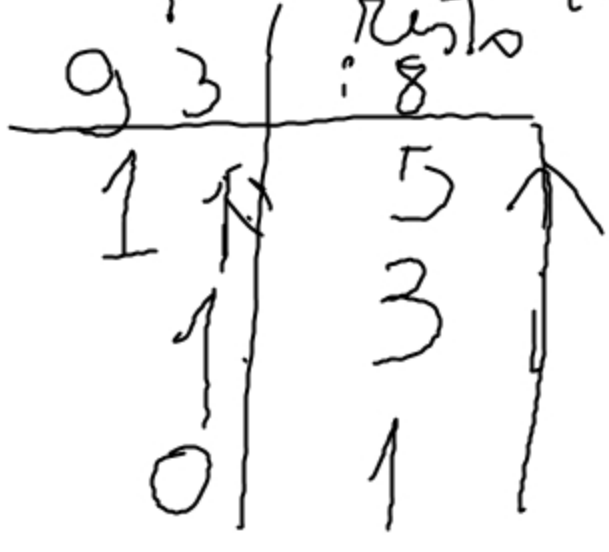


$N_{(10)} = 47_{(10)}$

$8^1\ 8^0$

$5\ 7_{(8)} = 40 + 7 = 47_{(10)}$

MSB — LSB



$N_{(10)} = 93_{(10)}$

$8^2\ 8^1\ 8^0$

$1\ 3\ 5_{(8)} = 64 + 24 + 5 = 93_{(10)}$

MSB — LSB

SISTEMA ESADECIMALE

DEC → ESADECIMALE

$N_{(10)} = 98_{(10)} \rightarrow N_{(H)} = ? = 62_{(H)}$

98	resto :16
6	2 ↑
0	6 ↑

$16^1\ 16^0$

$6\ 2_{(H)} = 6 \cdot 16 + 2 \cdot 16^0 =$

$= 96 + 2 = 98_{(10)}$

150	resto :16
0	6 ↑
0	9 ↑

$16^1\ 16^0$

$9\ B_{(H)} = 9 \cdot 16^1 + 11 \cdot 16^0 = 155$

155	resto :16
9	11 = B ↑
0	9 ↑

REGOLA DEL TERZETTO

RASF. BIN → OTTALE

$$\underbrace{00}_{1}\underbrace{10}_{3}\underbrace{11}_{6}\underbrace{00}_{3}{}_{(2)} =$$

$$1\ 3\ 6\ 3\ {}_{(8)}$$

$5^3\ 5^2\ 8^1\ 8^0$

$1363 = 512 + 192 + 48 + 3 = 755_{(10)}$

$OTT \xrightarrow{(8)} DEC$

N°	
0	000
1	001
2	010
3	011
4	100
5	101
6	110
7	111

$2^9\ 2^8\ 2^7\ 2^6\ 2^5\ 2^4\ 2^3\ 2^2\ 2^1\ 2^0$

$0\ 0\ 1\ 0\ 1\ 1\ 1\ 1\ 0\ 1\ 1 \rightarrow DEC$

$1 \cdot 2^9 + 1 \cdot 2^7 + 1 \cdot 2^6 + 1 \cdot 2^5 + 16 + 2 + 1$

$512 + 128 + 64 + 32 + 16 + 2 + 1 = 755_{(10)}$

C.V.D.

REGOLA DEL QUARTETTO

BIN → ESAD

$$0010\,1111\,0011_{(2)} = 755_{(10)}$$

2 15 3

F

$16^2\ 16^1\ 16^0$

$2F3_{(H)} =$

$512 + 15 \cdot 16 + 3 =$

$755_{(10)}$