

①


↓ ↓  
 $I_2$   $O_2$

$$127 + 1 = 128 = \boxed{2^0} = \text{100000000}_2$$

FORTEGN = 1 0<sub>2</sub>

$2.0 = 01000000000000000000000000000000$

②



$$127 + 1 = 128 = 10000000_2$$

FORTEGW = 02

$$3.0 = 01000000010000000000000000000000$$



DEL 4 FORS.

(3)

0.50390625

$$127 - 1 = 126 = \cancel{1111110}_2 = 01111110_2$$

$0_2$

$0.10000001_2$

EXSONENT =  $01111110_2$

MANTISSA =  $00000001_2$

FORTEGN =  $0_2$

$0.10000001_2$

1 plass mot høyre

$$0,50390625 = 001111100000000100000000000000$$



DEL 4 FORTS.

④  $2.0 + 0.50390625$

DIFF EKSPONENTER:

$$10000000 - 01111110 = 00000010 = 2_{10}$$

•  $\text{Exp}(2.0) > \text{Exp}(0.50390625) \Rightarrow$  MÅ SKIFTE MANTISSA

TL 0.590625 TO PLASSEK (2<sub>10</sub>)

$$1.00000010 \rightarrow 0.010000001$$

LEGGES SAMMEN SKIFTET MANTISSA OG MANTISSA  
FRA 2.0

$$\Rightarrow 010000001000000000000000$$

$$\text{P } 2.0 + 0.50390625 = 0100000001000000010000000000$$