fractions Buran 100. 41 1 2 = 2 = 1 Dme 3 * 2

$$0.3 = 0.01001$$
 $0.3 * 2 = 0.6$
 $0.6 * 2 = 1.2$
 $0.2 * 2 = 0.4$
 $0.4 * 2 = 0.8$
 $0.8 * 2 = 1.6$
 0.6
Reparts
$$0.6 \times 2 = 1.6$$

max & bifc

Binary 3 4 0×2 50 6 = 6.626110.1016= 1 + 1 = 4+1=5 b.125

•

 $110. \ 10101b = 6\frac{21}{32}$ 1 + 1 / 32 EC: take the 8 bits from 0.45 -> Burain and convert to

decemal.

1000 - Single Precision (32 bols)

1 8 bits
23 bits

Mantissa

Sign bit Fxors Mantissa

Praction

Normalization; move the radix point RIGHT of the 0.0010116=+1 101 ~ 1 + 127 1100 017 0 ... 3+127= 124 Dep