In binary.  $(2)\beta=2$ ,  $\rho=3$ : 0.1 is sepresented as OR  $0.1 = \frac{1}{10} = \frac{1}{10.10_{(2)}}$ , use long division Normalised repr. with p=3: do do da Ex. Let B=2, p=3, emin =-1, emax=2. (normalised).

List all floating point numbers for It with these parameters Floating pt number Corr real number.  $1.00 \times 2^{-1} = 1 \times \frac{1}{2} = 0.5$ 1.00 x 2 1.01 × 2-1 0.625 1.10 x 2-1 0.75  $1.11 \times 2^{-1}$ 0.875 1.00 x 2° 1.01 x 20 1.25 / Notice that the 1.5 1.10 x 20 floating point numbers are not equally spaced 1.11 x 20 1.75 1.00 X2 1.01 x 21 2.5 1.10 x 2' 1.11 x 2 3.5 1.00 x 2 1.01 × 22 1.11 x 22.