

(4)

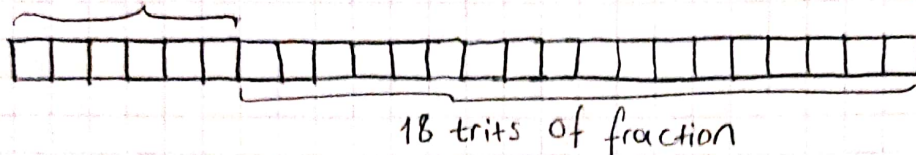
Q2.4

+ → represents +1

- → represents -1

0 → represents 0 (zero)

6 trits of exponent

positive infinity + = $+\infty$ negative infinity + + + + + + - - - - - - - - - - - - - - - - = $-\infty$

NaN + + + + + + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 = NaN

smallest positive 0 0 0 0 0 0 + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 = 0.333333×3^0 largest positive + + + + + 0 + + + + + + + + + + + + + + + + + = 1.0×3^{363} largest negative 0 0 0 0 0 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 = -0.333333×3^0 smallest negative - - - - - 0 - - - - - - - - - - - - - - - - = -1.0×3^{363}

zero - - - - - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 = 0