(92.2) 5 trits for exponent, and 13 trits of montissa is enough to represent values with high presicion and wide range. In order to achieve the same decimal digit presicion as in the binary floating point representation, I used 13 tits for the montissa. broary=) 23. $\log_{10}2 \approx 23.0,3 \approx 6$ dec. digits president temory=) 13. $\log_{10}3 \approx 13.0,47 \approx 6$ In order to over the whole range of numbers (and a bit more than that) represented by the single presicion binary floating point representation, he need at least 5 exponent trits. As I further explained in part 2.4 we calculate

our number with formula X = 0, M. 3°. Focusing on the maximum positive number use represent, X=0,5.3°. In order to cover the binary f.p representation's range, e must be greater than 81 (0.5.381 < 2.2127 < 0.5.382) purary flooding bound rebut

Thus we need at least 5 trits to cover this range. Moreover, since we have 5 trits for the exponent, we can use it to represent very small values (around 0) by setting it to e=---- (all negative ones).