

## Encoding 2 page 5

hex 1F A4 00 00 00 00 00 00

binary 0001 1111 1010 0100 48 zero's

regroup 0 001 1111 1010 0100 48 zero's  
s e f

e = 1FA hex = Dorin's way  $1, 3, 7, 15, 31, 63, 126, 253, 506$   
= 506 decimal

$$\text{binary scientific} = 1.01 \times 2^{506 - 1023} = 1.01 \times 2^{-517}$$