

A) 4207999a

A 2 0 7 9 9 9 A
 0100 0010 0000 0111 1001 1001 1001 1010

FRACTION

0100001000000111110011001100110010

5

Power

FRACTION

100001111001100110011010

10000111001100110011010

10000100

128 4

33.90000152587

$$132 - 127 = 5 = 2^5$$

1110 0110 0110 0110 1000

E 6 6 6 8

E 6 6 6 8

$$(14 \times 16^{-1}) + (6 \times 16^{-2}) + (6 \times 16^{-3}) + (6 \times 16^{-4}) + (8 \times 16^{-5})$$

0.875 +

0.0234375

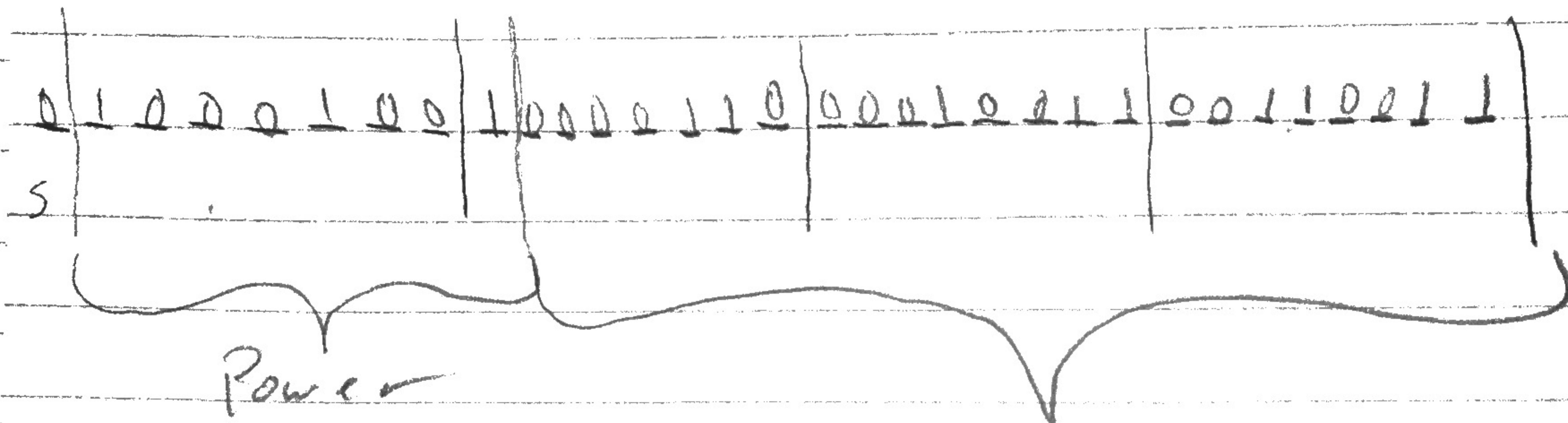
0.00146484375

0.00009155273

0.00000762939 = 0.90000152587

44861333

0100 0100 1000 0110 0001 0011 0011 0011
4 4 8 6 1 3 3 3



10001001
128 + 8 + 1

$$131 - 127 = 4 = 2^2$$

10000 1100 0010 0110 0110 011

1072 3215
48

1072.59997558593

1001 1001 1001 1000
9 9 9 8

$$(9 \times 16^{-1}) + (9 \times 16^{-2}) + (9 \times 16^{-3}) + (8 \times 16^{-4})$$

$$(0.5625) + (0.03515625) + (0.00219726562) + (0.00012207031) = 0.59997558593$$

3 D 8 F 5 C 2 9

0011 1101 1000 1111 0101 1100 0010 1001

00111101 | 10001111 | 01011100 | 00101001

Power

Power / MANTISSA

0111 1011 = 123 - 127

= -4 = 2^{-4}

0.00011110101100001010010

0001 0001 1110 1011 0001 0010

1	1	E	B	8	5	2
4	4	K	11	8	5	2

$$(1 \times 16^1) + (1 \times 16^{-2}) + (14 \times 16^3) + (11 \times 16^4) + (8 \times 16^5) + (5 \times 16^6) + (2 \times 16^7)$$

0.0125

Used a calculator

1.00390625

for this part...

0.00341796875

0.00016784667

1.00000162939

0.000006298023224

0.00000000074505806 = 0.070000000028