

⑨

c)  $2^{11} \dots 2^0 2^{-1} \dots 2^{-12}$

max  $1 1 \dots 1$

$$2^{11} + 2^{10} + \dots + 2^{-12} =$$

$$= (2^{11} + 2^{10} + \dots + 2^0) + \left( \left(\frac{1}{2}\right)^1 + \left(\frac{1}{2}\right)^2 + \dots + \left(\frac{1}{2}\right)^{12} \right) =$$

~~$2^{11} + 2^{10} + \dots + 2^0 = 2^{12} - 1$~~

$$= 4095 \frac{4095}{4096}$$