

(A)

7	6	5	4	3	2	1	0
s	biasexp			<u>frac</u>			

$$N = \begin{cases} (-1)^s \times 0.\text{fraction} \times 2^{-2} & \text{if biasexp} = 0 \\ (-1)^s \times 1.\text{fraction} \times 2^{\text{biasexp}-3} & \text{if } 0 < \text{biasexp} \leq 7 \end{cases}$$

(B)

7	6	5	4	3	2	1	0
s	biasexp			<u>frac</u>			

$$N = \begin{cases} (-1)^s \times 0.\text{fraction} \times 2^{-6} & \text{if biasexp} = 0 \\ (-1)^s \times 1.\text{fraction} \times 2^{\text{biasexp}-7} & \text{if } 0 < \text{biasexp} \leq 15 \end{cases}$$

(C)

7	6	5	4	3	2	1	0
s	biasexp					<u>frac</u>	

$$N = \begin{cases} (-1)^s \times 0.\text{fraction} \times 2^{-14} & \text{if biasexp} = 0 \\ (-1)^s \times 1.\text{fraction} \times 2^{\text{biasexp}-15} & \text{if } 0 < \text{biasexp} \leq 31 \end{cases}$$