

(1)

$$الف) \frac{r(r) + \omega}{r+1} = \frac{q}{r} = r$$

$$ب) \frac{r(r) + \omega}{r+1} = \frac{q}{r} = -r$$

$$ج) \frac{r(r) + \omega}{r+1} = r$$

$$\rightarrow) \frac{r(0) + v}{[0^+]} = \frac{v}{0^+} \rightarrow 0^-$$

$$\rightarrow) \frac{r(0) + v}{[0^+]} = \frac{v}{0^+} \rightarrow 0^-$$

(2)

$$الف) f(r) - r = q$$

$$ب) [1r - r] = [1_0] = r$$

$$ج) [1r - r] = [1_0] = 1_0$$

$$د) [1r - r] = [1_0] = 1_0$$

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$$3 \text{ الف) } \frac{v(r)+1}{r} = \frac{v}{r}$$

$$5 \text{ ب) } \left[\frac{q^-+1}{r} \right] = \left[\frac{10^-}{r} \right] = [q^-] = r$$

$$7 \text{ ج) } \left[\frac{v(r)+1}{r} \right] = [q] = q$$

$$9 \text{ د) } \left[\frac{v(r)+1}{r} \right] = [q] = q$$

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$$g = (n-a)(n-1)$$

$$14 \text{ الف) } \frac{1-a}{1-a+a} = \frac{-r}{0^-}$$

$$\frac{1}{+} \frac{a}{-} \frac{1}{+}$$

$$1+ \rightarrow \frac{-r}{0^-} = +\infty$$

$$1- \rightarrow \frac{-r}{0^+} = -\infty$$

$$22 \text{ ب) } \frac{x-2}{(x-1)^2} \rightarrow \frac{1}{+} \frac{0}{+} \rightarrow \frac{-1}{0^+} = -\infty$$

$$25 \text{ ج) } \xrightarrow{-r^+} [q^-] - [10^+] = 1 \rightarrow 10 - [rc]$$

$$26 \text{ د) } \xrightarrow{-r^-} [q^+] - [-10^-] = 9 + 14 = [rc]$$

$$29 \text{ ب) } x < -\frac{1}{r} \rightarrow x^r > \frac{1}{19} \rightarrow \frac{1}{x^r} < 19 \rightarrow \frac{-1}{x^r} > -19$$

$$\left[-\frac{1}{x^r} \right] = -19$$

