

$$rf(\omega) = f(-r) + a \rightarrow r(Va + V) = Va - \varepsilon + a \rightarrow 14a + 1\varepsilon = 14a - \varepsilon$$

$$\begin{cases} 10a = -18 \\ a = -1,8 \end{cases}$$

$$f(\omega) = (a+1)(\omega+r) = Va + V$$

$$f(-r) = Va + r(-r) = Va - \varepsilon$$

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$$f(r-\sqrt{3}) + f(r+\sqrt{3}) = \left(\sqrt{r-\sqrt{3}} + \frac{1}{\sqrt{r-\sqrt{3}}} + r\right) + \left(\sqrt{r+\sqrt{3}} + \frac{1}{\sqrt{r+\sqrt{3}}} + r\right)$$

$$\rightarrow (\sqrt{r-\sqrt{3}} + \sqrt{r+\sqrt{3}})^2 = r - \sqrt{3} + r + \sqrt{3} + 2\sqrt{(r-\sqrt{3})(r+\sqrt{3})} = 4 \rightarrow \sqrt{r-\sqrt{3}} + \sqrt{r+\sqrt{3}} = \sqrt{4}$$

$$\rightarrow \frac{\sqrt{r-\sqrt{3}} + \sqrt{r+\sqrt{3}}}{\sqrt{r-\sqrt{3}}(\sqrt{r+\sqrt{3}})} = \sqrt{4} \Rightarrow 2\sqrt{4} + \varepsilon$$

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$$rf(x_1) - 3f(-x_1) = \varepsilon x_1^2 - x_1 \xrightarrow{x^2} rf(x_1) - 6f(-x_1) = 14x_1^2 - 2x_1$$

$$rf(-x_1) - 3f(x_1) = \varepsilon x_1^2 + x_1 \xrightarrow{x^2} 6f(-x_1) - 9f(x_1) = 14x_1^2 + 3x_1$$

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$$\rightarrow -5f(x_1) = 20x_1^2 + x_1 \rightarrow f(x_1) = -4x_1^2 - \frac{x_1}{5}$$

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$$x=0 \rightarrow rf(0) - 3f(0) = 14m - 1$$

$$x=-r \rightarrow rf(-r) + 6f(0) = 14 + 2m + 3m - 1$$

$$\rightarrow \begin{cases} rf(0) = 14m - 1 \\ 6f(0) = 14 + 5m \end{cases} \xrightarrow{x^2} 6f(0) = 9m - 14$$

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$$\Rightarrow 14m + 14 = 9m - 14$$

$$14 = 5m \rightarrow m = \varepsilon, \omega$$

$$\rightarrow rf(0) = 13, \omega - 1 = 14, \omega \Rightarrow f(0) = 6, 14$$

$$x=-1 \rightarrow f(-1) + f(1) = \frac{r(-1)^2 - 12(-1) + 3}{-1} = \frac{r + 12 + 3}{-1} = -11 \rightarrow rf(-1) = -11$$

$$f(-1) = -9$$

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$\eta - [\eta]$

 $\omega = 0, \eta \cdot \eta \cdot [\eta - [\eta]]$

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7) $f(0)g(-1) = (0)(1) = 0$

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ب) $g(x) = f(|x|)$

$$|x| = r \rightarrow x = r \rightarrow g(r) = 1$$

$$\searrow x = -r \rightarrow g(-r) =$$

$$|u|=0 \rightarrow u=0 \rightarrow g(0)=0$$

$$|x| = r \rightarrow x = -r \rightarrow g(-r) = -1$$

↘ $x=c \rightarrow g(c) = -1$

$$g(x) = \int (f_2, 1)(-f_2, 1)(x, 0) \cdot (f_2, -1)(x, -1) \}$$