$$f_0 = 1$$

$$f_0 = \times$$

$$f_2 = \times$$

$$g_{2}(x) = x - \frac{-10-5+0+5+10}{7+1+1+1+1} = x$$

$$g_{2}(x) = x^{2} - \left(\frac{(-70)^{2}+(-5)^{2}+0+5^{2}+10^{2}}{5}\cdot 1+\frac{(-10)^{3}+(-5)^{3}+0^{3}+5^{3}+10^{3}}{(-10)^{2}+(-5)^{2}+0^{2}+5^{2}+10^{2}}\cdot x\right)$$

$$|g_2(x)| = x^2 - \frac{250}{5} = x^2 - 50$$

$$e_1 = \frac{-10-5+0+5+10}{5} = 0$$

$$C_2 = \frac{(-10)^3 + (-5)^3 + 0^3 + 5^3 + 10^3}{(-10)^2 + (-5)^2 + 0^2 + 5^2 + 10^2} = 0$$

$$d_2 = \frac{(-10)^2 + (-5)^2 + 0^2 + 5^2 + 10^2}{5} = \frac{250}{5} = 50$$

$$P_2 = x^2 - 50$$

$$\begin{cases} g_{0}(x) = f_{0}(x) \\ g_{1}(x) = f_{2}(x) - \frac{1}{2} \frac{f_{0}(x)}{f_{0}(y_{0}, y_{0})} \cdot g_{0} \end{cases}$$

$$\frac{(-10)^{3} + (-5)^{3} + 0^{3} + 5^{3} + 10^{3}}{(-10)^{2} + (-5)^{2} + 0^{2} + 5^{2} + 10^{2}} \cdot \times$$

$$\begin{cases} P_{0} = 7, P_{1} = x - c_{1} \\ P_{k} = (x - c_{k}) P_{k-1} - ol_{k-1} P_{k-2} & dla = 23 \end{cases}$$

$$c_{k} = \frac{(x P_{k-1}, P_{k-1})}{(P_{k-1}, P_{k-1})}$$