$$\operatorname{read}(Q_{n}(+)) \ge m+1 \implies Q_{n}(+) = \sum_{k=0}^{M} \left( \sum_{\substack{i=0 \ i\neq k}}^{M} \frac{x-y_{i}}{x_{k}-x_{i}} dx \right) A(x_{k})$$

$$\int_{-3}^{2} f(x) dx = \begin{bmatrix} t = \frac{2}{5}x + \frac{1}{5} & dx = \frac{5}{2}dt \\ x = \frac{5t-1}{2} \end{bmatrix} = \frac{5}{2} \int_{-1}^{2} g(t) dt$$

$$= \frac{5}{2} \int_{-1}^{2} g(t) = f(\frac{5t-1}{2})$$

$$Q_2(t) = \frac{5}{2} \left( \sum_{k=0}^{2} \left( \int_{-1}^{1} \frac{2}{i + k} \frac{t - ti}{t - ti} dt \right) g(t_k) \right)$$

Z vrytéedu wienny, ze Xo, X1, X2 to miejsca zerove P3

$$P_{0}(x) = 1$$

$$P_{1}(x) = x$$

$$P_{2}(x) = \frac{3}{2}x^{2} - \frac{1}{2}$$

$$P_{3}(x) = \frac{5}{3}x \cdot \left(\frac{3}{2}x^{2} - \frac{1}{2}\right) - \frac{2}{3}x = \frac{5}{2}x^{3} - \frac{3}{2}x = \frac{1}{2}x \cdot \left(5x^{2} - 3\right)$$

Miejsce renove: - 13, 0, 13

$$Q_{2}(t) = \frac{5}{2} \left( \sum_{k=0}^{2} \left( \int_{-1}^{2} \frac{1}{i \cdot k} \frac{t - t \cdot i}{t \cdot k - t \cdot i} dt \right) 9(t \cdot k) \right)$$

$$\tilde{A}_{0} = \frac{5}{6} \int_{1}^{2} t^{2} - I_{\overline{S}}^{2} t dt = \frac{10}{18}$$

$$\tilde{A}_{1} = \tilde{A}_{2} = -\frac{5}{3} \int_{1}^{2} t^{2} t^{2} = \frac{3}{5} dt = \frac{9}{9}$$

$$x_{0} = \frac{-5\sqrt{\frac{3}{5}} - 1}{2} \qquad A_{0} = A_{2} = \frac{5}{2} \stackrel{\sim}{A_{0}} = \frac{50}{36}$$

$$x_{1} = -\frac{1}{2} \qquad A_{1} = \frac{5}{2} \cdot \stackrel{\sim}{3}^{2} = \frac{20}{3}$$

$$x_{2} = \frac{5\sqrt{\frac{3}{5}} - 1}{2}$$

$$Q_{2}(x) = A_{0} + (x_{0}) + A_{1} + (x_{1}) + A_{2} + (x_{2})$$