Jados Xo, Xz,..., In en La, b] 3 sus imagenes f(xo), f(xi), ... f(xn) 12: Conjunto soporte. Existe un vinco poly de grado minor o ignal a n que interpola a 2 · Le(x) = (x-x0)(x-x1)...(x-xexx-xx+1)...(x-2n)

Saltamos el valor XK. Lu(Xi)=0 V i fu tu(Xu) fo Sr [tu(x)]=1

Podemos des Funciones Cardinales: Lk(x):= tk(x) te(xx) Cranto vale Lk(x)/xs Y i fa Lk(Xi) = tk(Xi)

te(xe) Qué para X1 $L_{\kappa}(\chi_{e}) = \frac{E_{\kappa}(\chi_{\kappa})}{E_{\kappa}(\chi_{\kappa})} = 1 g_{r} [L_{\kappa}(\chi_{k})] = N$

$$P(x) = L_0(x) f(x_0) + L_1(x) f(x_1) + ...$$

$$L_N(x) f(x_N)$$

$$P(x) = L_0(x) f(x_0) + L_1(x) f(x_1) + ...$$

$$P(x)$$
 interpola a \mathcal{R} .

 $\int_{0}^{\infty} \frac{x - x_{i}}{x^{2} + i} = \frac{(x - 10)}{5 - 10}$

 $L_{i} = \overline{I} \left(\frac{(x - x_{i})}{x_{i} - x_{i}} = \frac{(x - 5)}{10 - 5} \right)$

) interpola	a st.		
Xo KI		F(xi)	
5 10	jo	15	

(a, b, c) f(a) f(b) f(c)(x-b)(x-c) f(a) f(a) f(a) f(a) f(a)

 $C \propto^2 + C_2 \propto + ...$

$$y = tanex - ()x^2$$

$$y = tandx - ()x$$

$$y = vosin(2x)$$

•
Vo 5 en (2 k)

6.5 = V.2 Jin (42)

Vo = \(\frac{6.5 \times 1.3}{5.440} \)

Suponemos que hay Z
$$P_1(x_i) = f(x_i)'' P_2(x_i) = f(x_i)'$$

$$= P_1 - P_2$$

$$P_1(x_i) - P_2(x_i) = 0 \quad \forall i = 0, K$$

(P.-Pz)(Xi) = 0 / 9r[=n]

9r(P,-P2) = N+1

P1 = P2