

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \end{cases}$$

$$S(X) = \begin{cases} S_{0}(X) & \text{ $x \in [t_{0},t_{1}]$} \\ S_{0}(X) & \text{ $x \in [$$

$$Zi = S''(ti)$$
,  $\Delta t_i = t_{i+1} - t_i \mod \sigma$ 

درمہ انہ ہے مسی در) حصہ

$$S'(N) = \frac{\chi - \xi_i}{\Delta \xi_i} Z_{i+1} - \frac{\chi - \xi_{i+1}}{\Delta \xi_i} Z_i$$

$$= \frac{2 \cdot i(1) \cdot 2}{2 \cdot \Delta t_{i}} = \frac{(2 - t_{i})^{2} \cdot 2 \cdot i_{i}}{2 \cdot \Delta t_{i}} = \frac{(2 - t_{i})^{2} \cdot 2 \cdot i_{i}}{2 \cdot \Delta t_{i}} = \frac{2 \cdot \Delta t_{i}}{2 \cdot \Delta t_{i}} =$$

$$= \frac{7(+1)}{6\Delta t} \left( x - t \right)^{3} + \frac{2(-t)^{3}}{6\Delta t} \left( t - t \right)^{3} + C(x - t) + D(t - x)$$

$$S_{i}(t_{i})=y_{i}=0$$

$$y_{i}=\frac{Z_{i}}{6Dt_{i}}(\Delta t_{i})^{3}+D_{i}\Delta t_{i}=0$$

$$S_{i}(t_{i+1})=y_{i+1}=0$$

$$S_{i}(t_{i+1})=y_{i+1}=$$

$$= 8 \cdot (\mathcal{N}) = \frac{Z_{i+1}}{G\Delta t_i} \left( x - t_i \right)^3 + \frac{Z_{i}}{G\Delta t_i} \left( t_{i+1} - \mathcal{N} \right)^3 + \left( \frac{\mathcal{J}_{i+1}}{\Delta t_i} - \frac{Z_{i+1}}{G} \Delta t_i \right) \left( x - t_i \right) + \frac{Z_{i+1}}{G} \Delta t_i$$

$$\left(\frac{9i}{0ti} - \frac{2i}{6} 0ti\right) (t_{i+1} - \mathcal{H})$$

مال ایز مسی ها نام مارس به نام نام

$$\frac{S_{1}^{2}(N)}{2\Delta t_{1}^{2}} = \frac{Z_{1}}{2\Delta t_{1}^{2}} = \frac{Z_{1}}{2\Delta$$

$$S_{i-1}(t_i) = \frac{\Delta t_i}{3} Z_i - \frac{\Delta t_i}{6} Z_{i+1} - \frac{\Delta t_i}{\Delta t_i} + \frac{\Delta t_{i-1}}{\Delta t_{i-1}} + \frac{\Delta t_i}{\Delta t_{i-1}}$$

$$S_{i-1}(t_i) = \frac{\Delta t_{i-1}}{6} Z_{i-1} + \frac{\Delta t_{i-1}}{3} Z_i - \frac{\Delta t_{i-1}}{\Delta t_{i-1}} + \frac{\Delta t_i}{\Delta t_{i-1}}$$

$$\frac{\Delta \epsilon_{i-1}}{6} = \frac{\Delta \epsilon_{i-1}}{6} = \frac{\Delta \epsilon_{i-1}}{3} = \frac{\Delta \epsilon_{i}}{3} = \frac{\Delta \epsilon_{i}}{6} = \frac{\Delta \epsilon_{i-1}}{2 \epsilon_{i+1}} = \frac{\Delta \epsilon_{i-1}}{\Delta \epsilon_{i-1}} = \frac{\Delta \epsilon_{i-1}}{\Delta \epsilon_{i-1}}$$

$$\frac{\Delta t_{0} + ^{\Delta t_{1}}}{3} \frac{\Delta t_{1}}{6}$$

$$\frac{\Delta t_{1}}{6} \frac{\Delta t_{1} + \Delta t_{2}}{3} \frac{\Delta t_{2}}{6}$$

$$\frac{\Delta t_{n-2}}{6} \frac{\Delta t_{n-2}}{6}$$

$$\frac{\Delta t_{n-2}}{6} \frac{\Delta t_{n-2}}{6}$$

$$\frac{\Delta t_{n-2}}{6} \frac{\Delta t_{n-2} + \Delta t_{n-2}}{6}$$

$$\frac{\Delta t_{n-2}}{2} \frac{\Delta t_{n-2} + \Delta t_{n-2}}{6}$$

$$\frac{\Delta t_{n-2}}{2} \frac{\Delta t_{n-2} + \Delta t_{n-2}}{2}$$

$$\frac{\Delta t_{n-2}}{2} \frac{\Delta t_{n-2}}{2}$$

حال الن كارس الع هم درماس



ب مسلم مازمی کردنم

n=2

الث ا

ti 1 y, 1 t2 2 y2 =

فيت واير سس دو) درمان نها

$$\frac{\Delta t_{\circ}}{6} = \frac{1}{3} + \frac{\Delta t_{\circ}}{3} = \frac{1}{2} + \frac{\Delta t_{\circ}}{6} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2$$

$$\Delta t_{\circ} = \frac{1 - \frac{1}{2} = \frac{1}{2}}{7_{\circ} = 7_{2} = 0}$$

△t1= 2-1=1

 $\frac{3}{2} \frac{7}{7} = \frac{1}{2} \frac{1}{1} = \frac{1}{2}$ 

$$\frac{Z_1}{2} = \frac{1}{2} + \frac{7}{2} = \frac{3}{2} = \frac{7}{2} = \frac{3}{2}$$

$$S_{i}(x) = \frac{Z_{i+1}}{6\Delta t_{i}} (x-t_{i})^{3} + \frac{Z_{i}}{6\Delta t_{i}} (t_{i+1}-x_{i})^{3} + (\frac{y_{i+1}}{\Delta t_{i}} - \frac{Z_{i+1}}{6}\Delta t_{i}) (x-t_{i})$$

$$\left(\frac{2}{-2} - 0\right) \left(1 - \mathcal{U}\right) =$$

$$5(x)=(u-\frac{1}{2})^{3}+\frac{7}{4}(u-\frac{1}{2})-4(u-1)$$

$$S_{1}(u) = 0 + \frac{3}{6} (2-u)^{3} + (\frac{1}{2} - 0)(u-1) + (1-\frac{3}{6})(2-u)$$

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

$$S(u) = \begin{cases} (u - \frac{1}{2})^{3} + (-\frac{9}{4}u + \frac{25}{8}) & x < 1 \\ -\frac{1}{2}(x - 2)^{3} + \frac{1}{2} & x \ge 1 \end{cases}$$

$$Ato 2nt At At Ato 7 + Ato 7 = 32-31 & 31-30$$

$$\frac{\Delta t}{6} = \frac{2}{3} + \frac{\Delta t_1}{6} = \frac{3}{2} + \frac{4}{6} = \frac{3}{2} + \frac{3}{2} = \frac{3}{2}$$

$$\frac{S_{i}(u) = \frac{1}{2}(x-t_{i})^{2} \frac{Z_{i+1}}{\Delta t_{i}} - \frac{1}{2}(x-t_{i+1})^{2} \frac{Z_{i}}{\Delta t_{i}} + \frac{Y_{i+1}}{\Delta t_{i}} - \frac{Z_{i+1}}{\delta} \Delta t_{i}}{\Delta t_{i}}}{\frac{Z_{i}}{\Delta t_{i}} + \frac{Z_{i}}{\delta} \Delta t_{i}}$$

$$S'(x) = Z_1(x-\frac{1}{2})^2 - Z_0(x-1)^2 - 2 + \frac{70-21}{12}$$

$$S_{0}(\frac{1}{2}) = -4 = 0$$
  $-4 = -Z_{0}(\frac{1}{4}) - 2 = \frac{Z_{0} - 2_{1}}{12}$ 

$$=>\frac{2c}{4}+\frac{2r-2c}{12}=2$$

$$S'(n) = \frac{1}{2}(x-1)^2 Z_2 - \frac{1}{2}(x-2)^2 Z_1 + \frac{1}{2} - \frac{Z_2}{6} + \frac{7}{6}$$

$$S_{1}(2):-\frac{1}{4} = 1 - \frac{1}{4} = \frac{2}{2} = \frac{1}{2} + \frac{2_{1}-2_{2}}{6}$$

$$\frac{Z_2}{2}$$
,  $\frac{Z_1-Z_2}{6}$   $\frac{1}{4}$   $\frac{2}{2}$ 

$$\frac{\Delta t \cdot 2_{o} + \Delta t_{i} + \Delta t_{o}}{6} = \frac{3}{3} + \frac{\Delta t_{i}}{6} = \frac{3}{2} + \frac{3}{2}$$

$$\frac{1}{12} z_0 + \frac{1}{2} z_1 + \frac{1}{6} z_2 = -\frac{1}{2} + 2 = \frac{3}{2}$$

$$\begin{bmatrix} \frac{1}{6} & \frac{1}{12} & 0 \\ 0 & \frac{1}{12} & \frac{1}{12} \\ \frac{1}{12} &$$

$$3.(N) = \frac{1}{3}(x-\frac{1}{2})^{3} + \frac{11.5}{3}(1-u)^{3} + (2-\frac{1}{12})(x-\frac{1}{2}) + \frac{11.5}{12}(1-u)$$

$$S_{1}(x) = \frac{0.25}{6} \left( x - 1 \right)^{3} + \frac{1}{6} \left( 2 - x \right)^{3} + \left( \frac{1}{2} - \frac{0.25}{6} \right) (x - 1) + \frac{1}{6} \left( 1 - \frac{1}{6} \right) (2 - x)$$

$$-0.125x^{3}+(1x^{2}-12.875)x+5.875$$

$$-0.125x^{3}+0.876x^{2}-2.25x+2.5$$

$$-0.125x^{3}+0.876x^{2}-2.25x+2.5$$

$$+1(1.5) = \left(-\frac{1}{2}(x-2)^{3}+\frac{1}{2}\right)\Big|_{X=1.5} = \frac{1}{16} + \frac{1}{2} = \frac{9}{16} \times 0.5625$$

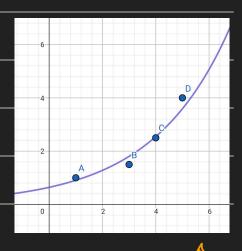
$$+2(1.9) = \left(-0.125x^{3}+0.875x^{2}-2.25x+2.5\right)\Big|_{X=1.5} \approx 0.671875$$

$$+2(1.9) = \left(-0.125x^{3}+0.875x^{2}-2.25x+2.5\right)\Big|_{X=1.5} \approx 0.671875$$

$$+30118 \times 10118 \times 10118$$

$$+30118 \times 10118 \times 10118 \times 10118$$

$$\chi^{2}$$
 1 9 16 25



$$E(\alpha_{|\beta}) = \sum_{i=1}^{n} (m_i - \beta_{X_i} - \alpha)^2$$

$$\frac{\partial E}{\partial \alpha} = \frac{\partial E}{\partial \alpha} = \frac{2 \sum_{i=1}^{n} (m_i - \beta x_i - \alpha)}{(m_i - \beta x_i - \alpha)} = \frac{2E}{\partial \beta} = -2 \sum_{i=1}^{n} x_i (m_i - \beta x_i - \alpha)$$

$$\begin{bmatrix}
4 & 13 \\
13 & 51
\end{bmatrix}^{-1} = 1$$

$$\begin{bmatrix}
51 & -13 \\
-13 & 4
\end{bmatrix} \Rightarrow \begin{bmatrix}
61 & -13 \\
6] & 35
\end{bmatrix} = \begin{bmatrix}
1.813
\end{bmatrix}$$

$$\begin{bmatrix}
1.813
\end{bmatrix}$$

J 2 J1 J2

n 1 9 25

ny 2 3y, 5y2

 $\frac{\mathcal{E}(a,b)}{\mathcal{E}(a,b)} = \frac{3}{2} \left( \frac{1}{2} - \frac{a}{2} + \frac{b}{2} \right)^{2}$   $\frac{\sin 3\mathcal{E}(a,b)}{\partial a} = \frac{3\mathcal{E}(a,b)}{2b} = 0$ 

 $= \frac{\partial E}{\partial b} = -2 \sum_{i=1}^{3} (y_i - b - Gx_i) = 0$   $\frac{\partial E}{\partial a} = -2 \sum_{i=1}^{3} \chi_i (y_i - b - ax_i) = 0$ 

 $\begin{bmatrix} 3 & 9 & 7 & 1 \\ 9 & 35 \end{bmatrix}$   $\begin{bmatrix} 35 & -9 \\ 24 & -9 & 3 \end{bmatrix}$ 

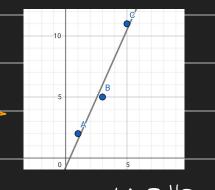
 $= 24 \begin{bmatrix} 35 & -9 \\ -9 & 3 \end{bmatrix} \begin{bmatrix} 2+y_1+y_2 \\ 2+3y_1+by_2 \end{bmatrix}$ 

 $\begin{bmatrix} 5 \\ 0 \end{bmatrix} = \frac{1}{24} \begin{bmatrix} 70+35y_1+35y_2 - 18 - 27y_1 - 45y_2 \end{bmatrix} = \frac{1}{24} \begin{bmatrix} -18-9y_1 - 9y_2 + 6+9y_1 + 15y_2 \end{bmatrix} = \frac{1}{24} \begin{bmatrix} -18-9y_1 - 9y_2 + 6+9y_1 + 15y_2 \end{bmatrix}$ 

 $\frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ -12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 3 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12 + 6y_2 \end{bmatrix} \Rightarrow \frac{1}{24} \begin{bmatrix} 52 + 8y_1 - 10y_2 \\ 4 - 12$ 

$$b = \frac{1}{24} (62 + 8 \times 6 - 10 \times 11) = \frac{1}{24} (62 + 40 - 110) = -18 = -3$$

$$a = -\frac{1}{2} + \frac{11}{4} = \frac{9}{4}$$



$$b = \frac{1}{24} (62 + 8.10 - 10 \times 6.6) = \frac{77}{24}$$

$$a = -\frac{1}{2} + \frac{5.5}{4} = -\frac{4}{8} + \frac{11}{8} = \frac{7}{8}$$

$$\frac{1}{8}$$
  $\frac{77}{24}$ 

$$a = (1, \frac{2}{4})$$
  $b = (1, \frac{7}{8})$ 

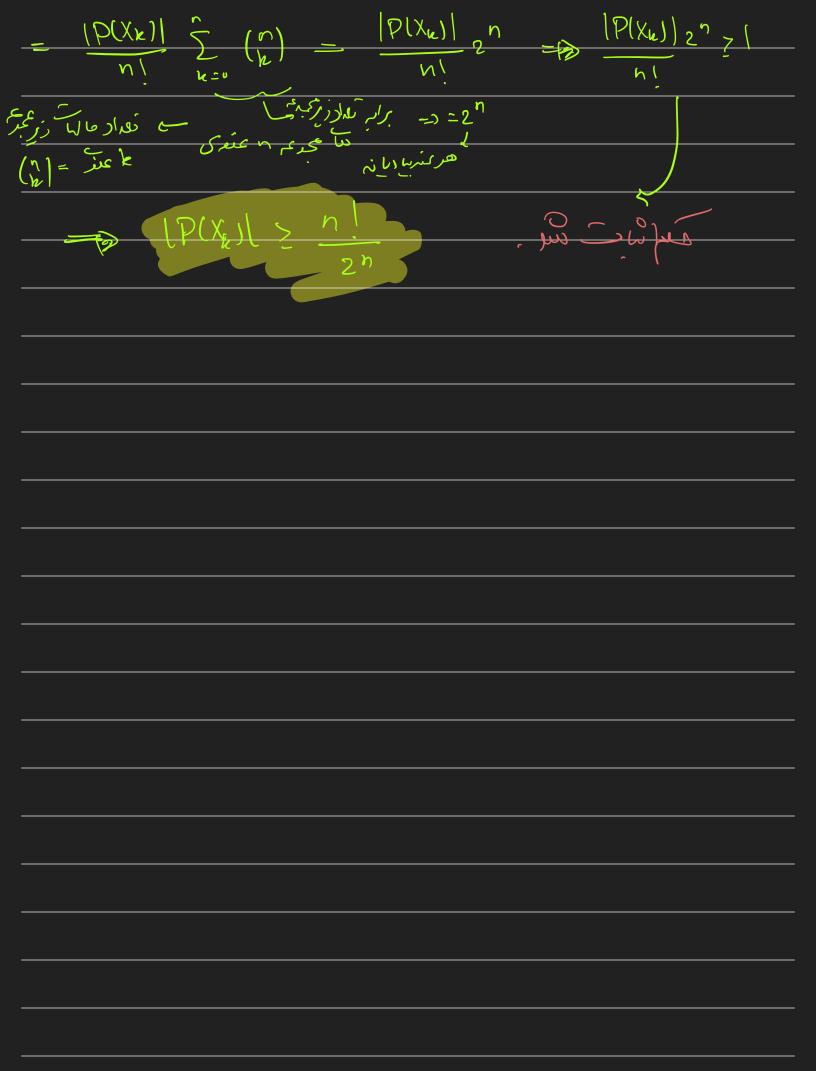
$$\frac{\cos \phi = \frac{(a_1b)}{\|a\|(\|b\|)\|} = \frac{1.1 + \frac{2}{4} \cdot \frac{7}{8}}{\sqrt{1^2 + \frac{2}{8}}^2} \frac{1 + \frac{63}{32}}{\sqrt{1^2 + \frac{2}{8}}^2} \frac{2.96875}{\sqrt{10.7041019625}}$$

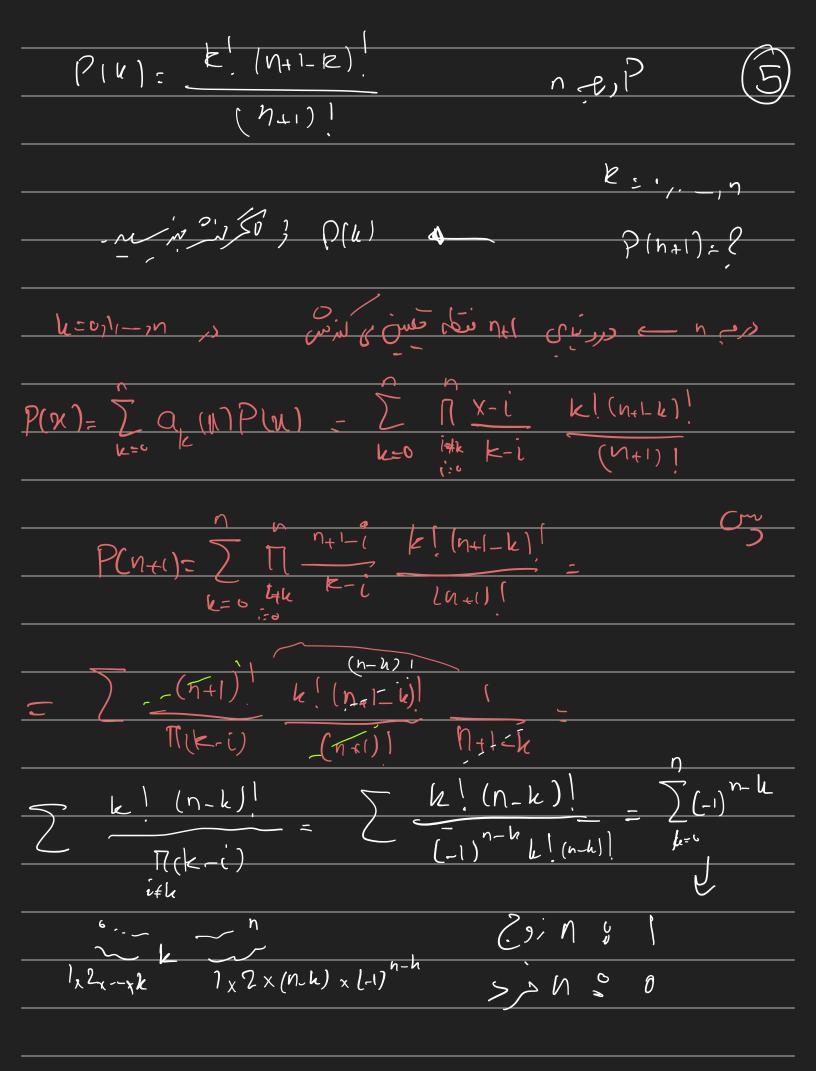
$$f(X_{i})=1$$

$$f(X$$

$$\frac{\sum_{X_{k}-X_{i}} P(X_{k}) = P(X)}{X_{k}-X_{i}} = \frac{1}{\sum_{i\neq k} \frac{P(X_{k})}{|Y_{k}-X_{i}|}} = \frac{1}{\sum_{i\neq k} \frac{P(X_{k})}{|X_{k}-X_{i}|}} = \frac{1}{\sum_{i\neq k}$$

$$\frac{1}{1} \leq \frac{1}{1} \frac{|P(x_i)|}{|P(x_i)|} \leq \frac{1}{1} \frac{|P(x_i)|}{|P(x_i)|} \frac{1}{1} \frac{|P(x_i)|}{|P(x_i)|} \frac{1}{1} \frac{1}{|P(x_i)|}$$





$$\frac{1}{X_{i+1} - X_{i}} = \frac{1}{X_{i+1} - X_{i}} = \frac{1}{X_{i+2} - X_{i+2}} = \frac{1$$