

$$f'(x) = r \cos^2(x) \times (-r \sin(x)) + r a x \quad f''(x) = r = -1r + r a$$

$$f(0) = 0 \Rightarrow 1 + b r \Rightarrow b = -1 \quad a = 4$$

$$f''(x) = -1r \sin(x) \cos(x) (-r \sin(x)) + (-r \cos(x)) (r \cos^2(x)) + r a$$

$$a + b = 4 - 1 = 3$$

$$\frac{a}{r^2-1}, \frac{b}{r^2-1} \quad \frac{a+b}{r} = \frac{-b}{ra} \Rightarrow r = -\frac{b}{a}$$

$$\frac{a}{ra} = \frac{-1}{r} \Rightarrow a = -\frac{r}{a} \Rightarrow a^2 = -r$$

$$b = \frac{1}{ra} \Rightarrow b = \frac{1}{r^2}$$

$$\left(-\frac{r}{a}\right) \times r = -1, 0$$

نسبت ضرایب: $\frac{1a}{r} = 4$
 ضرایب: $4a - 9$

$$4a - 9 = \frac{a}{r-1} \Rightarrow a = 12r^2 - 4r + 9$$

$$4 = \frac{-ra}{(r-1)r} \Rightarrow a = -4r^2 + 4r - 4$$

$$\Rightarrow 12r^2 - 4r + 12 = 0$$

$$f'(x) = \frac{1-a^2}{(ax+1)^2} \quad f(x) = \frac{x - \frac{1}{r}}{-\frac{1}{r}x + 1} \quad \frac{a-b = \frac{r}{r}}{f(1) = \frac{r}{r} = 1}$$

$$f(1) = r \Rightarrow \frac{1-a^2}{(a+1)^2} = r \Rightarrow 1 - a^2 = r a^2 + r a + r$$

$$ra^2 + ra + 1 = 0 \Rightarrow a = -\frac{1}{r}$$

$$\sin x + \frac{1}{r} \cos x = \frac{r}{r} \sin x$$

$$\cos x = \sin x \Rightarrow x = \frac{\pi}{4}$$

$$y = \frac{\sqrt{r}}{r} x + b \quad \frac{a}{\frac{\sqrt{r}}{r}} = b = \frac{-\pi\sqrt{r}}{14} + \frac{\sqrt{r}}{r}$$

$$f'(x) = \cos x - \frac{1}{r} \sin x \rightarrow f'\left(\frac{\pi}{4}\right) = \frac{\sqrt{r}}{r} - \frac{\sqrt{r}}{r} = \frac{\sqrt{r}}{r}$$

$$f\left(\frac{\pi}{4}\right) = \frac{r\sqrt{r}}{r}$$

$$f'(n) = 4n^2 - 4n - 12 \rightarrow 4n^2 - 4n - 12 = 0$$

$$n^2 - n - 3 = 0 \rightarrow \Delta > 0 \Rightarrow \text{دو جواب}$$

$$\left. \begin{array}{l} A \mid -1 \\ \quad \mid 1 \\ B \mid 1 \\ \quad \mid -19 \end{array} \right\} m_{AB} = \frac{1+19}{-1-1} = -10$$

$$f'(n) = rkn^2 + rkn + r$$

$$\Delta > 0 \Rightarrow r \cdot 4k^2 + 4kr + r > 0$$

$$s < 0 \Rightarrow \frac{-rk - r}{rk} < 0$$

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

$$-s - 1 + a - b - 1 \Rightarrow a - b = s + 2$$

$$\left. \begin{array}{l} f'(n) = r n^2 + r a n + b \\ f'(-1) = r - r a + b = s \end{array} \right\} \Rightarrow \begin{array}{l} a < b \\ b = v \\ \frac{a}{b} = \frac{1}{v} \end{array}$$

C s f

$$r n^2 + r a n + b = f'(n)$$

$$f'(0) = b = s$$

$$s = \frac{-ra}{r} \Rightarrow a = s - \frac{ra}{r}$$

$$f\left(\frac{-ra}{r}\right) = -1a^2 = \frac{-ra^2}{r} - \frac{ra^2}{r} + f's$$

$$-r a^2 + 1a = \frac{-r a^2}{r} + \frac{1 \cdot 1}{r} = \dots$$