$$m(x) = \alpha_{0} + \alpha_{1} \times + \alpha_{2} \times^{2} + \dots + \alpha_{n} \times^{n}$$

$$= \left[ \alpha_{0} + \alpha_{1} \times + \alpha_{2} \times^{2} + \dots + \alpha_{n} \times^{n} \right]$$

$$\alpha_{1} = \frac{1}{2}$$

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$$\alpha_{2} = \frac{1}{2}$$

$$\alpha_{1} = \frac{1}{2}$$

$$\alpha_{2} = \frac{1}{2}$$

$$y_{0} = u_{0} + \alpha_{1} \times_{0} + \alpha_{2} \times_{0}^{2} + \alpha_{3} \times_{0}^{3} + \cdots + \alpha_{10} \times_{0}^{10}$$

$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2} + \cdots + \alpha_{10} \times_{1}^{10}$$

$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2} + \cdots + \alpha_{10} \times_{1}^{10}$$

$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2} + \cdots + \alpha_{10} \times_{1}^{10}$$

$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2} + \cdots + \alpha_{10} \times_{1}^{10}$$

$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2}$$

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$$y_{1} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{1} \times_{1}^{2}$$

$$y_{2} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{3} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{4} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{4} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

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$$y_{4} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{5} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{6} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{7} = \alpha_{0} + \alpha_{1} \times_{1} + \alpha_{2} \times_{1}^{2}$$

$$y_{7} = \alpha_{1} + \alpha_{2} + \alpha_{2} \times_{1}^{2}$$

$$y_{7} = \alpha_{1} + \alpha_{2} + \alpha_{2} + \alpha_{2} \times_{1}^{2}$$

$$y_{7} = \alpha_{1} + \alpha_{2} + \alpha_{2} + \alpha_{2} + \alpha_{2} + \alpha_{3} + \alpha_{4} + \alpha_{4} + \alpha_{$$

$$m(x) = a \cdot \phi_0(x) + q \cdot \phi_1(x) + q \cdot \phi_2(x) - \dots + q \cdot \phi_n(x)$$
  
 $\phi = \{1, \times, \times^2, \times^3, \dots \times^n\}$   
 $\phi = \{1, e^x : e^{2x}, e^{3x} \dots \}$ 

$$\phi = \int s_{1} x_{1} s_{1} x_{2} x_{1} s_{1} s_{2} x_{2} dx_{3} dx_{4} dx_{5} dx$$