

$$p_k = 2$$

$$x^{(2)} = \frac{10 - 1 - 2 \cdot 0.66667}{7}$$

$$\doteq 1.09524$$

$$y^{(2)} = \frac{8 - 1.42857 - 3 \cdot 0.66667}{8}$$

$$\doteq 0.57143$$

$$z^{(2)} = \frac{6 - 2 \cdot 1.42857 - 3 \cdot 1}{9}$$

$$\doteq 0.01587$$

$$\begin{cases} x^{(2)} = 1.09524 \\ y^{(2)} = 0.57143 \\ z^{(2)} = 0.01587 \end{cases}$$


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$$p_k = 3$$

$$x^{(3)} = \frac{10 - 0.57143 - 2 \cdot 0.01587}{7}$$

$$\doteq 1.34240$$

$$y^{(3)} = \frac{8 - 1.09524 - 3 \cdot 0.57143}{8}$$

$$\doteq 0.64881$$

$$z^{(3)} = \frac{6 - 2 \cdot 1.09524 - 3 \cdot 0.57143}{9}$$

$$\doteq 0.23280$$

$$\begin{cases} x^{(3)} = 1.34240 \\ y^{(3)} = 0.64881 \\ z^{(3)} = 0.23280 \end{cases}$$


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