

$$F(x) = C_{k-1} + M_k (x-X_{k-1})$$

$$M_k = \frac{C_k - C_{k-1}}{X_k - X_{k-1}}$$

$$= X_{k-1} + \frac{(X_k - X_{k-1})}{(C_k - C_{k-1})} (R - C_{k-1}), F(x)=R$$

$$= X_{k-1} + \frac{R - C_{k-1}}{m_{k-1}}$$

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$$30 + \frac{R - Y_{15}}{m_{0}}, 0 \le R \le \frac{3}{15}$$

$$45 + \frac{R - 3/15}{m_{2}}, \frac{3}{15} \le R \le \frac{13}{15}$$

$$46 + \frac{R - 1/15}{m_{2}}, \frac{3}{15} \le R \le \frac{12}{15}$$

$$90 + \frac{R - 1/15}{m_{4}}, \frac{3}{15} \le R \le \frac{12}{15}$$

121 - LR = 14/15

$$\frac{120 + \frac{1}{m_5}}{180 + \frac{R-14/5}{m_6}}, \frac{14/5}{14/5} \leq R \leq 1$$

$$m_{0} = \frac{1}{30 - 15} = \frac{1}{15x15} = \frac{1}{225}$$

$$m_{1} = \frac{315 - 15}{45 - 30} = \frac{2}{15x15} = \frac{2}{225}$$

$$m_{2} = \frac{1130 - 315}{60 - 45} = \frac{5}{30x15} = \frac{1}{90}$$

$$m_{3} = \frac{915 - 1130}{90 - 60} = \frac{7}{30x30} = \frac{7}{900}$$

$$m_{4} = \frac{1215 - 915}{120 - 90} = \frac{3}{15x30} = \frac{1}{150}$$

$$m_{5} = \frac{1415 - 1215}{180 - 120} = \frac{2}{15x60} = \frac{1}{450}$$

$$m_{6} = \frac{1 - 1415}{300 - 180} = \frac{1}{15x120} = \frac{1}{1500}$$