

1.

$$B^1 = 1200 * \frac{(1 + \frac{0.05}{12})^{12} - 1}{\frac{0.05}{12}}$$

[14,734.63.]

2.

$$85000 = a * (1 + \frac{0.037}{12}) * \frac{(1 + \frac{0.037}{12})^{4*7} - 1}{\frac{0.037}{4}}$$

[2,648.98]

3.

$$S^0 = 5555 * (1 + \frac{0.05}{12}) * \frac{(1 + \frac{0.05}{12})^{12*5.5} - 1}{\frac{0.05}{12}}$$

$$\sum_{i=1}^n I_i = S^0 - n * a$$

[56,120.33]

4.

$$S^1 = 750 * \frac{(1 + \frac{0.039}{6})^{6*37} - 1}{\frac{0.039}{6}}$$

$$(S^1 = B^0)$$

$$370806.4 = a * \frac{1 - (\frac{1}{1 + \frac{0.044}{2}})^{2*20}}{1 - \frac{1}{1 + \frac{0.044}{2}}}$$

[13,732.91]

5.

$$1000000 = a * \frac{1 - (\frac{1}{1 + \frac{0.041}{3}})^{3*20}}{1 - \frac{1}{1 + \frac{0.041}{3}}}$$

[24,200.36]

6.

$$B^1 = 8000 * \frac{1 - (\frac{1}{1 + \frac{0.045}{12}})^{12*10}}{\frac{0.045}{12}}$$

$$B^1 = S^0$$

$$771914.6 = a * (1 + \frac{0.038}{2}) * \frac{(1 + \frac{0.038}{2})^{2*14} - 1}{\frac{0.038}{2}}$$

[20,743.29]