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Nombre del trabajo: Amortización.

Materia: Matemáticas Financieras.

PASIÓN POR EDUCAR

Grado: 3 cuatrimestre.

Grupo: LAE.

$$\text{Cuota: } 5,000 * \left[\frac{(1 + 0.025)^6 * 0.025}{(1 + 0.025)^6 - 1} \right] = 5,000 * \frac{0.028992335}{0.159693418}$$

$$= 5,000 * 0.181549968 = 907.74$$

PERIODO	CUOTA	INTERES	ABONO O CAPITAL	SALDO
0	0	0	0	5,000
1	907.74	125	782.74	4, 217.26
2	907.74	105.43	802.31	3, 414.95
3	907.74	85.37	822.37	2, 592.58
4	907.74	64.81	842.93	1, 749.65
5	907.74	43.74	864	885.65
6	907.74	22.14	885.6	0.05
SUMA:	5, 446.4	446.49	4, 999.95	

$$\text{Interés (1)} = 5,000 * 0.025 = 125$$

$$\text{Interés (3)} = 3,414.95 * 0.025 = 85.37$$

$$\text{Abono k (1)} = 907.74 - 125 = 782.74$$

$$\text{Abono k (3)} = 907.74 - 85.37 = 822.37$$

$$\text{Saldo (1)} = 5,000 - 782.74 = 4,217.26$$

$$\text{Saldo (3)} = 3,414.95 - 822.37 = 2,592.58$$

$$\text{Interés (2)} = 4,217.26 * 0.025 = 105.43$$

$$\text{Interés (4)} = 2,592.58 * 0.025 = 64.81$$

$$\text{Abono k (2)} = 907.74 - 105.43 = 802.31$$

$$\text{Abono k (4)} = 907.74 - 64.81 = 842.93$$

$$\text{Saldo (2)} = 4,217.26 - 802.31 = 3,414.95$$

$$\text{Saldo (4)} = 2,592.58 - 842.93 = 1,749.65$$

$$\text{Interés (5)} = 1,749.65 * 0.025 = 43.74$$

$$\text{Abono k (5)} = 907.74 - 43.74 = 864$$

$$\text{Saldo (5)} = 1,749.65 - 864 = 885.65$$

$$\text{Interés (6)} = 885.65 * 0.025 = 22.14$$

$$\text{Abono k (6)} = 907.74 - 22.14 = 885.6$$

$$\text{Saldo (6)} = 885.65 - 885.6 = 0.05$$