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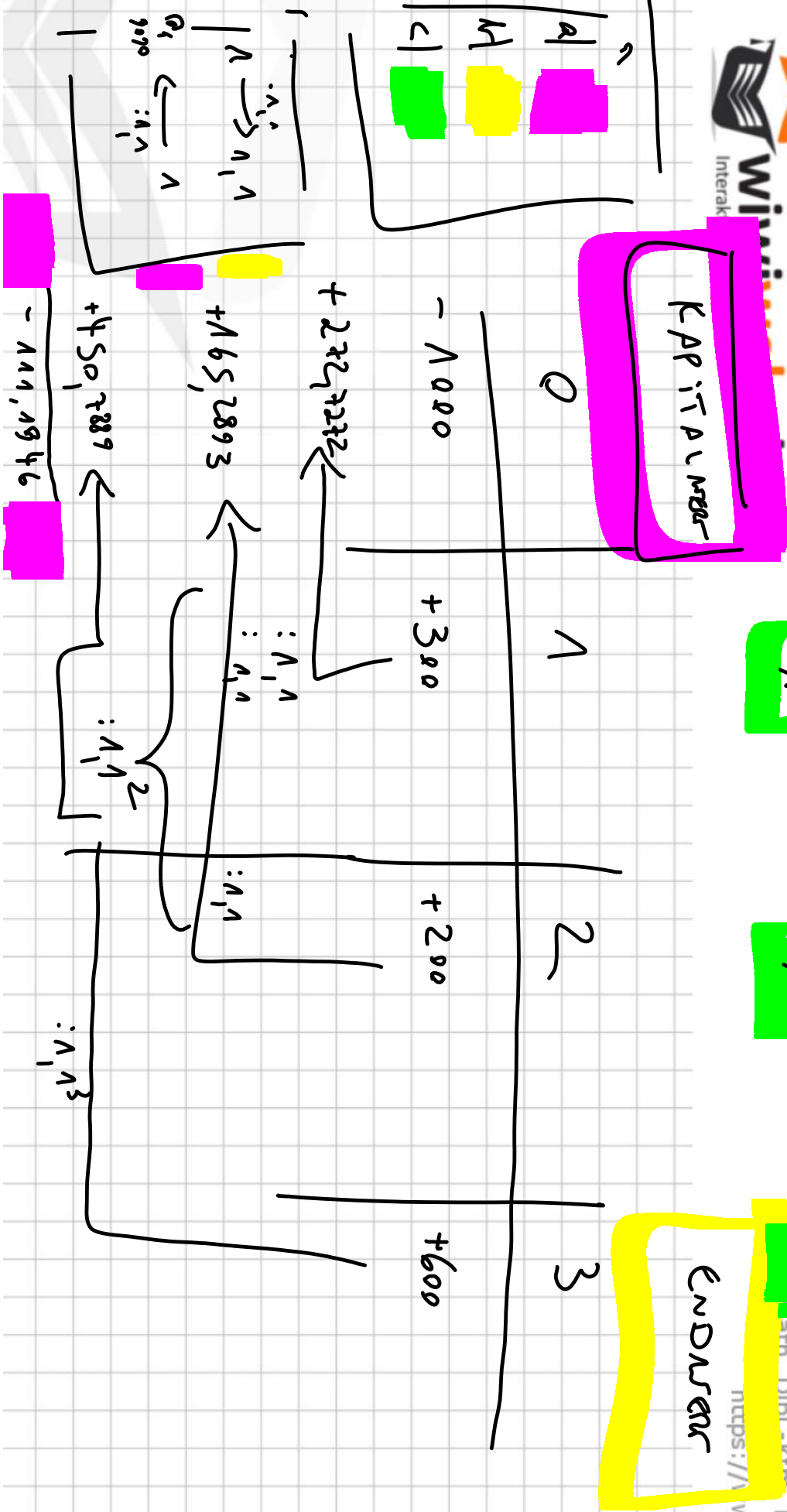
1

1

A

A

A



$$\begin{aligned} C_0 &= -A_0 + \frac{E_1 - A_1}{1+i} + \frac{E_2 - A_2}{(1+i)^2} + \dots + \frac{E_n - A_n}{(1+i)^n} \\ &= \sum_{t=0}^n \frac{E_t - A_t}{(1+i)^t} \\ &= -A_0 + (E_1 - A_1) \cdot (1+i)^{-1} + (E_2 - A_2) \cdot (1+i)^{-2} + \dots + (E_n - A_n) \cdot (1+i)^{-n} \\ &= \sum_{t=0}^n (E_t - A_t) \cdot (1+i)^{-t} \end{aligned}$$

$$\left[\begin{array}{l} -A_0 \\ \frac{E_1 - A_1}{1+i} \\ \vdots \\ \frac{E_n - A_n}{(1+i)^n} \end{array} \right]$$

$$2^{-3} = \frac{1}{2^{+3}} = \frac{1}{8} = 0,125$$

K_5

	0	1	2	3
	0	300	200	600
-1000				
		$\cdot 1,1^3$	$\cdot 1,1^2$	$\cdot 1,1^1$
		363	220	220
				$\cdot 1,1^1$
				363
				$\cdot 1,1^1$
				-1331

Endwert \rightarrow

-148

c)

$$A = C_0 \cdot q^m \cdot \frac{1}{q^m - 1}$$

$$A = C_m \cdot \frac{1}{q^m - 1}$$

$$= -111,19 \text{ k€} \cdot \frac{0,11}{1,11^3 - 1}$$

$$= -111,19 \text{ k€} \cdot 0,402115$$

$$= -44,7172$$

$$= -148.$$

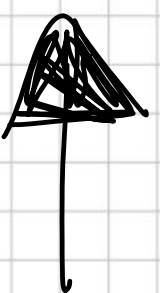
$$\frac{0,11}{1,11^3 - 1}$$

$$= -148 \cdot 0,302115$$

$$= -44,7171$$

$$A = C_0 \cdot NSGF = C_0 \cdot \frac{1}{rBF(n,i)}$$

2	0	1	2	3	4
		A	A	A	-20.000
$i = 8\%$		A	A	A	A



$$A = C_n \cdot \left[\frac{i}{r - i} \right]$$

$$\begin{aligned}
 &= 20.000 \cdot \frac{0,08}{0,08 - 1} = 20.000 \cdot 0,22192 \\
 &= \underline{\underline{4438,42}}
 \end{aligned}$$

