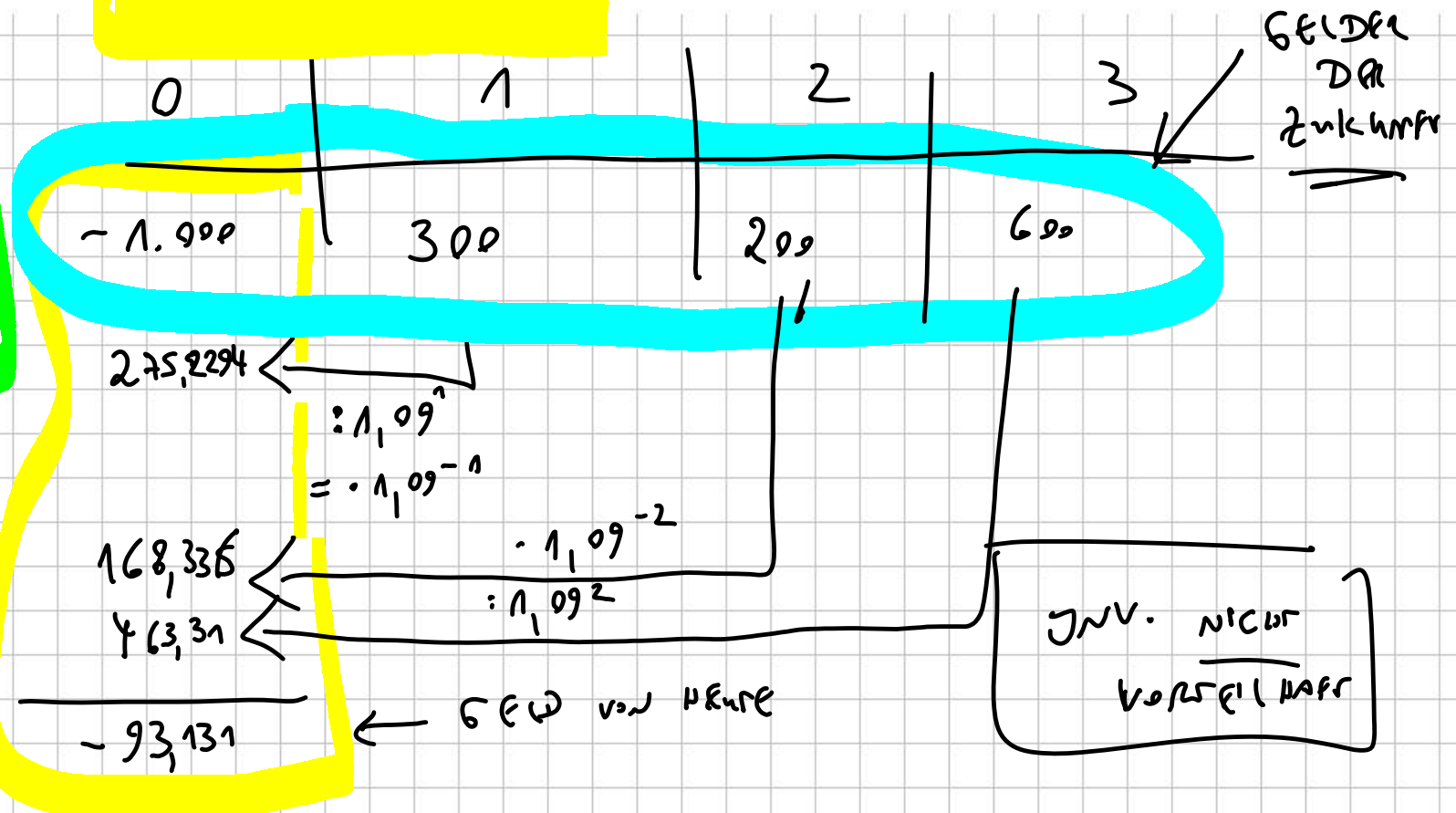


KAPITAL NEUR

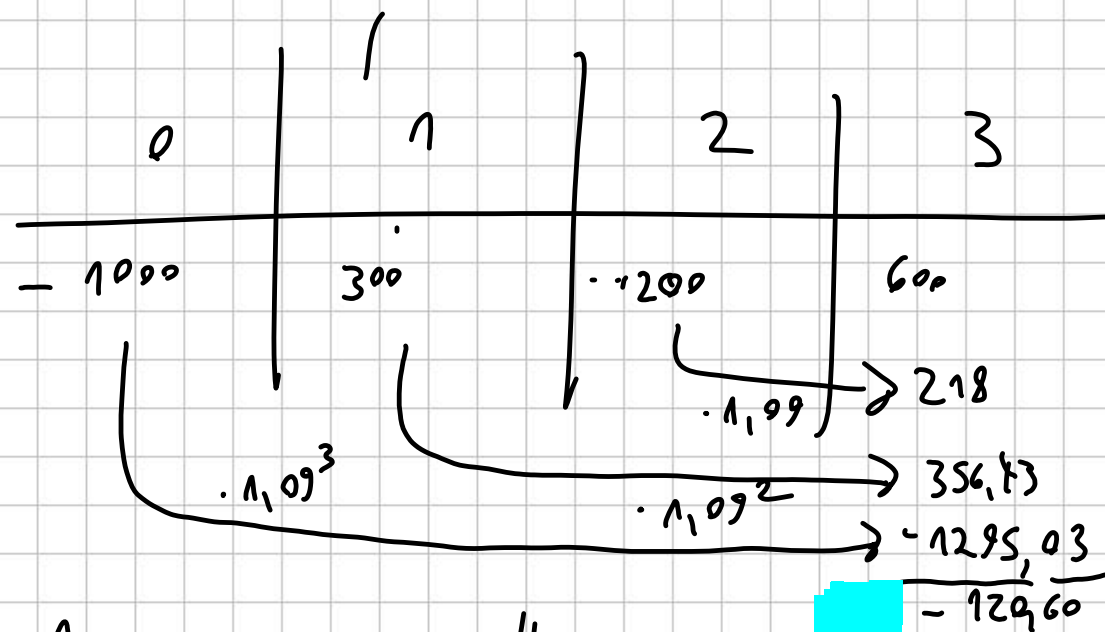
$i = 10\%$

$C_m = C_0 \cdot (1+i)^m$

$a^{-m} = \frac{1}{a^m}$



(END WERT)



$$C_0 = -A_0 + \frac{E_1 - A_1}{1+i} + \frac{E_2 - A_2}{(1+i)^2} + \dots + \frac{E_n - A_n}{(1+i)^n} \quad // \quad C_n = -A_0 \cdot (1+i)^n + \sum_{t=1}^n (E_t - A_t) \cdot (1+i)^{n-t}$$

$$C_n = \underbrace{C_0}_{-93,13} \cdot \underbrace{(1+i)^n}_{1,09^3}$$
$$\underline{\underline{-120,61}}$$

ZINSESZINSEFORMEL

$$q = 1 + i$$

ANNUITÄT

$$A = C_0 \cdot q^n \cdot \underbrace{\frac{i}{q^n - 1}}_{\text{WZP}}$$

... mit KAPITALWEERT

$$= -93,13 \cdot 1,09^3 \cdot \frac{0,09}{1,09^3 - 1}$$

$$= \underline{\underline{-36,79}}$$

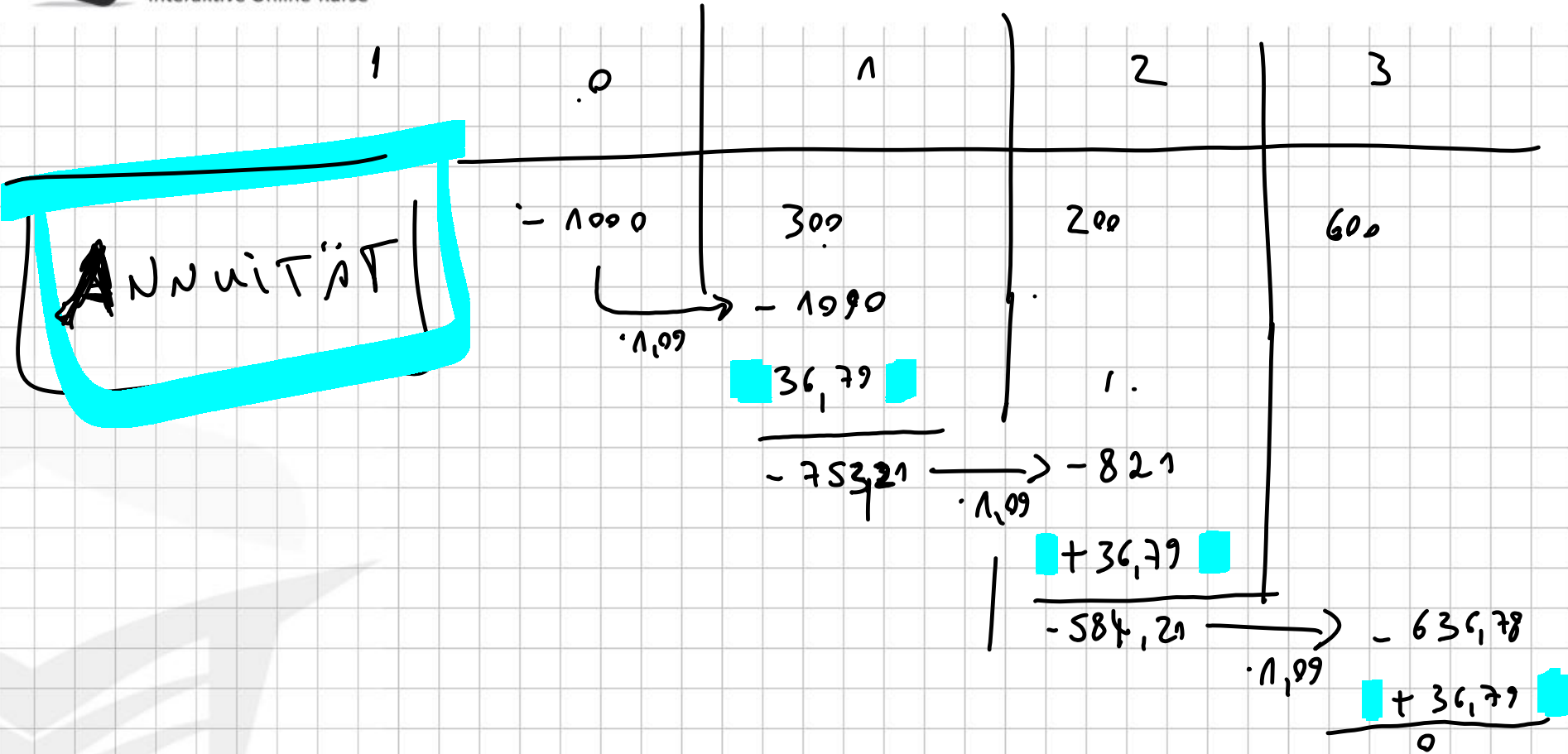
$$A = C_m \cdot \frac{i}{q^n - 1}$$

... mit ENDWEERT

$$= -120,61 \cdot \frac{0,09}{1,09^3 - 1}$$

ANNUITÄT ... jährlic. KONST. BLEIB. BETRAG

$$= \underline{\underline{-36,79}}$$



1	2	3	4
A	A	A	A

20.000

$$A = C_m \cdot \frac{i}{q^m - 1} = 20.000 \cdot \frac{0,08}{1,08^4 - 1} = \underline{\underline{4.438,42\text{€}}}$$

$0,22192$

1	2	3	4
4438,42	4438,42	4438,42	4438,42
		$\cdot 1,08$	4793,49
		$\cdot 1,08^2$	5176,97
	$\cdot 1,08^3$		5591,13
<hr/>			
20.000			
<hr/> <hr/>			