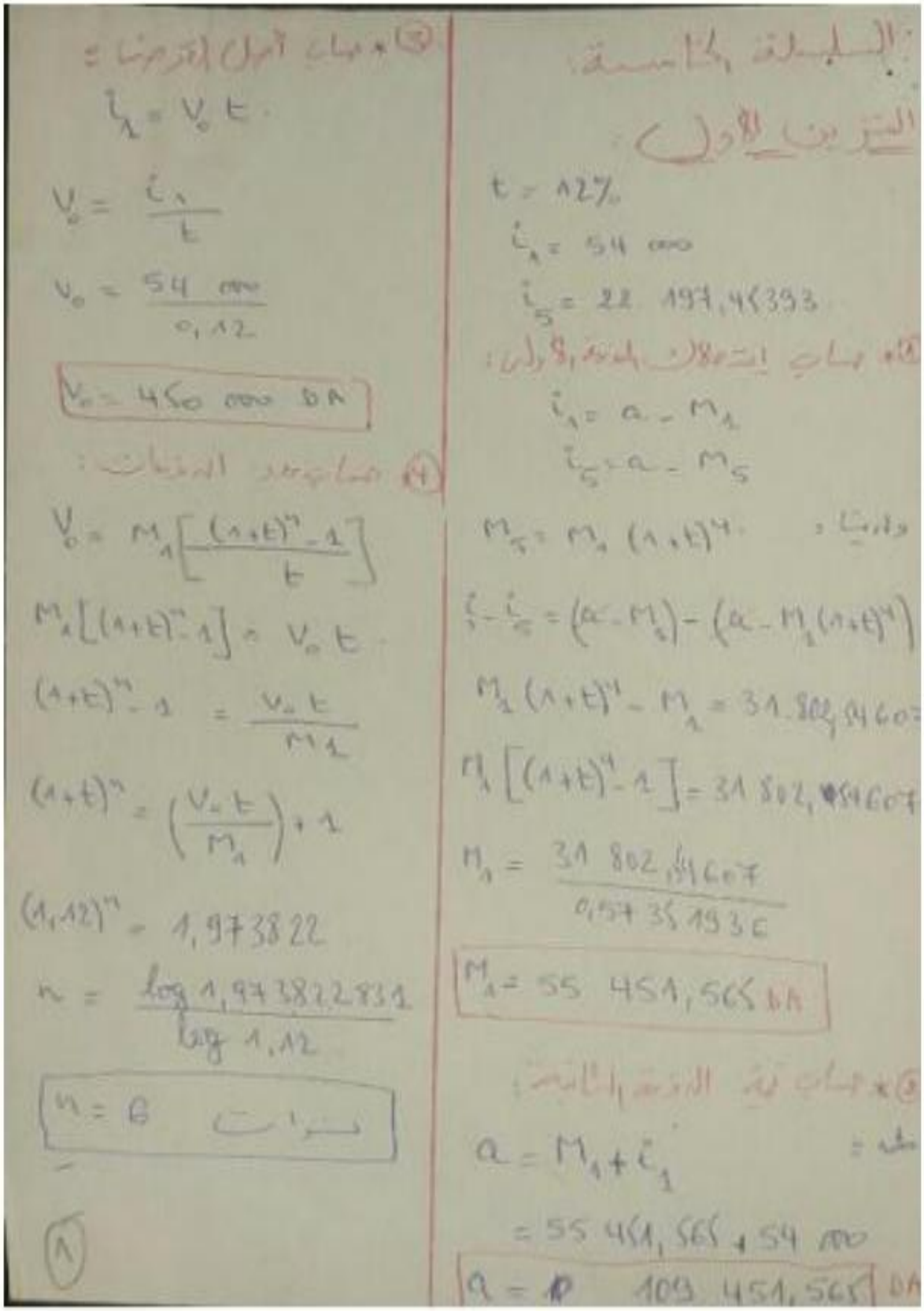
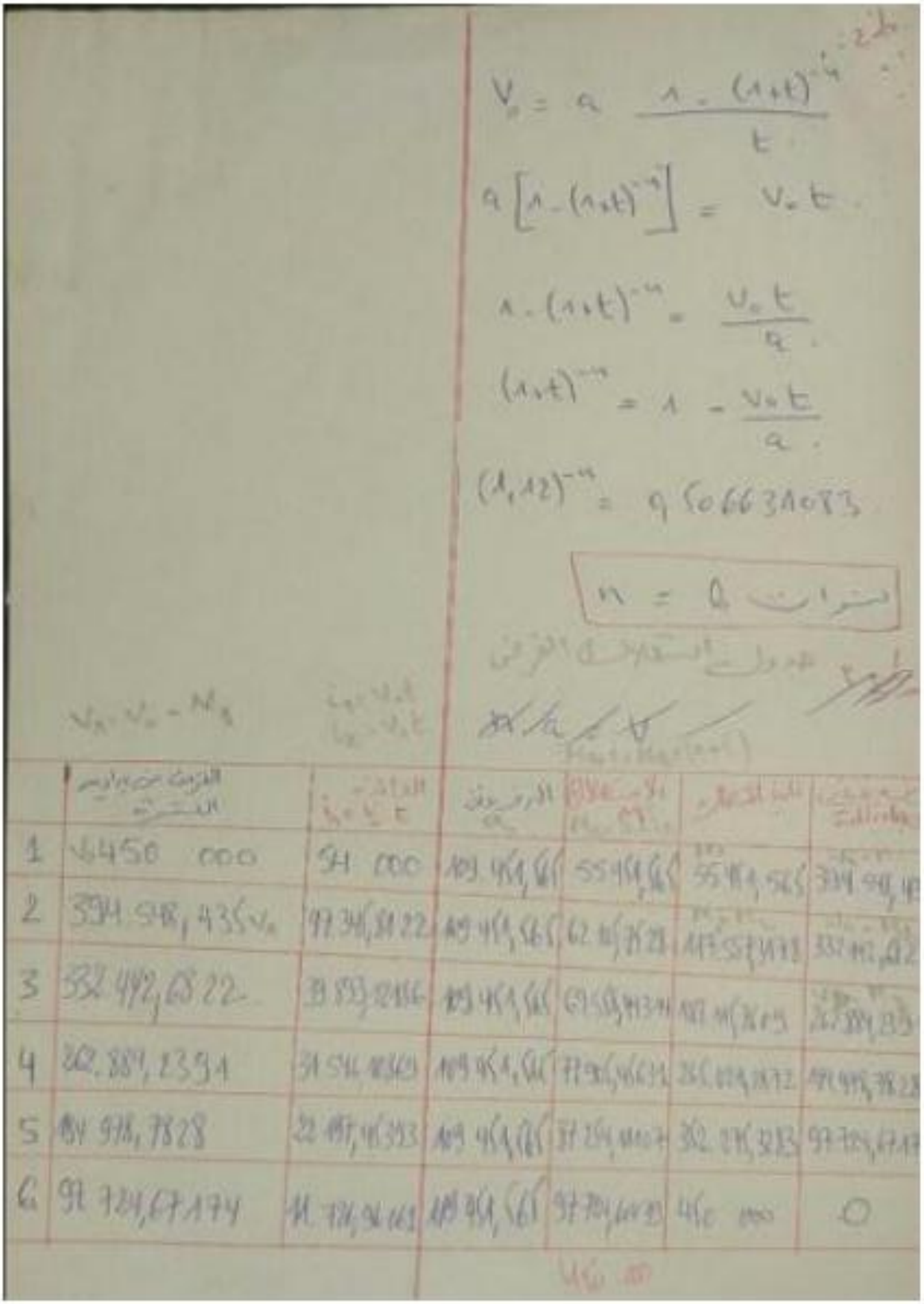
التمرين الأول:



التمرين الثاني:



$$V_0 = a\,\frac{1-(1+t)^{-n}}{t}$$

$$a\left[1-(1+t)^{-n}\right] = V_0 t$$

$$1-(1+t)^{-n} = \frac{V_0 t}{a}$$

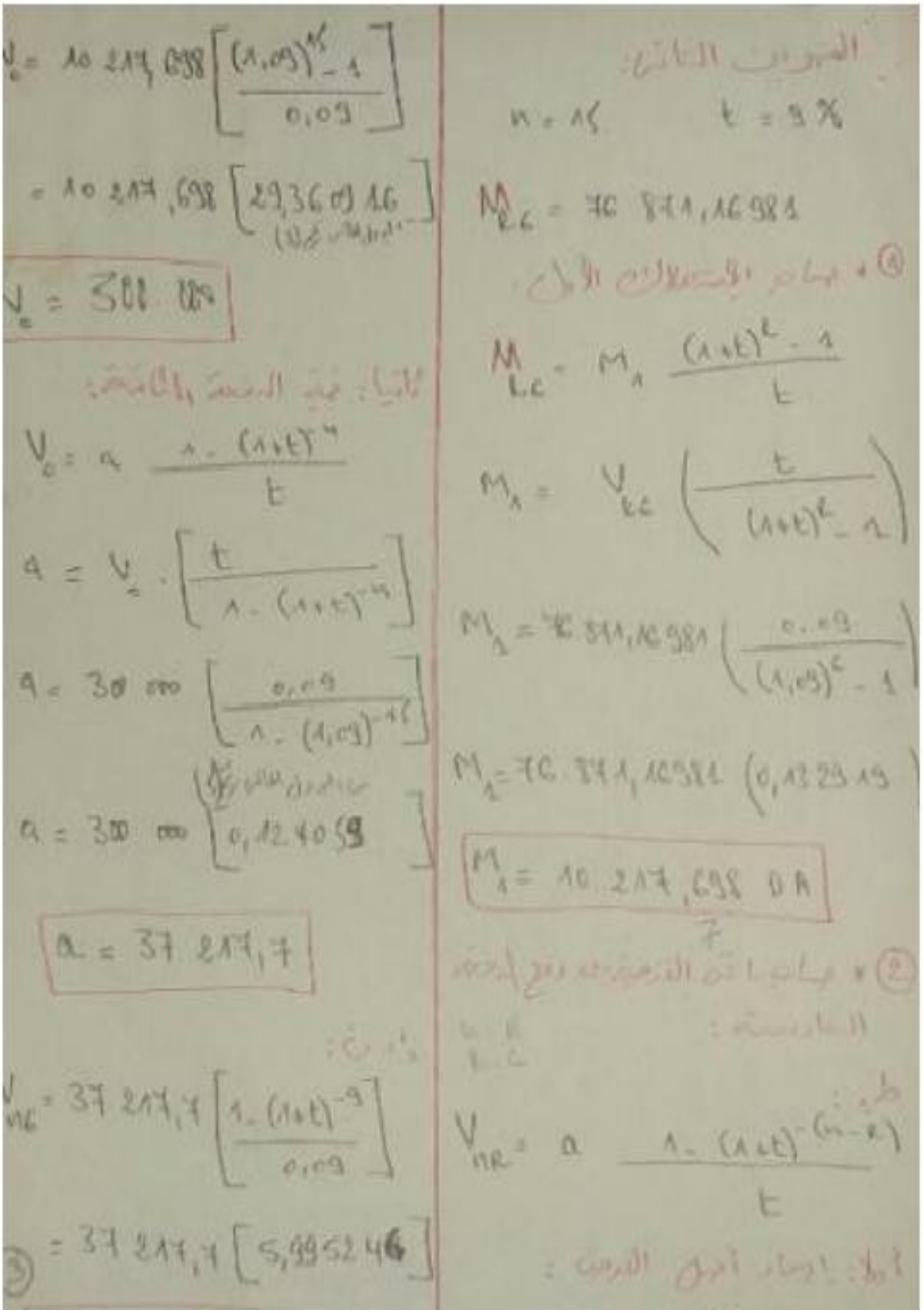
$$(1+t)^{-n} = 1 - \frac{V_0 t}{a}$$

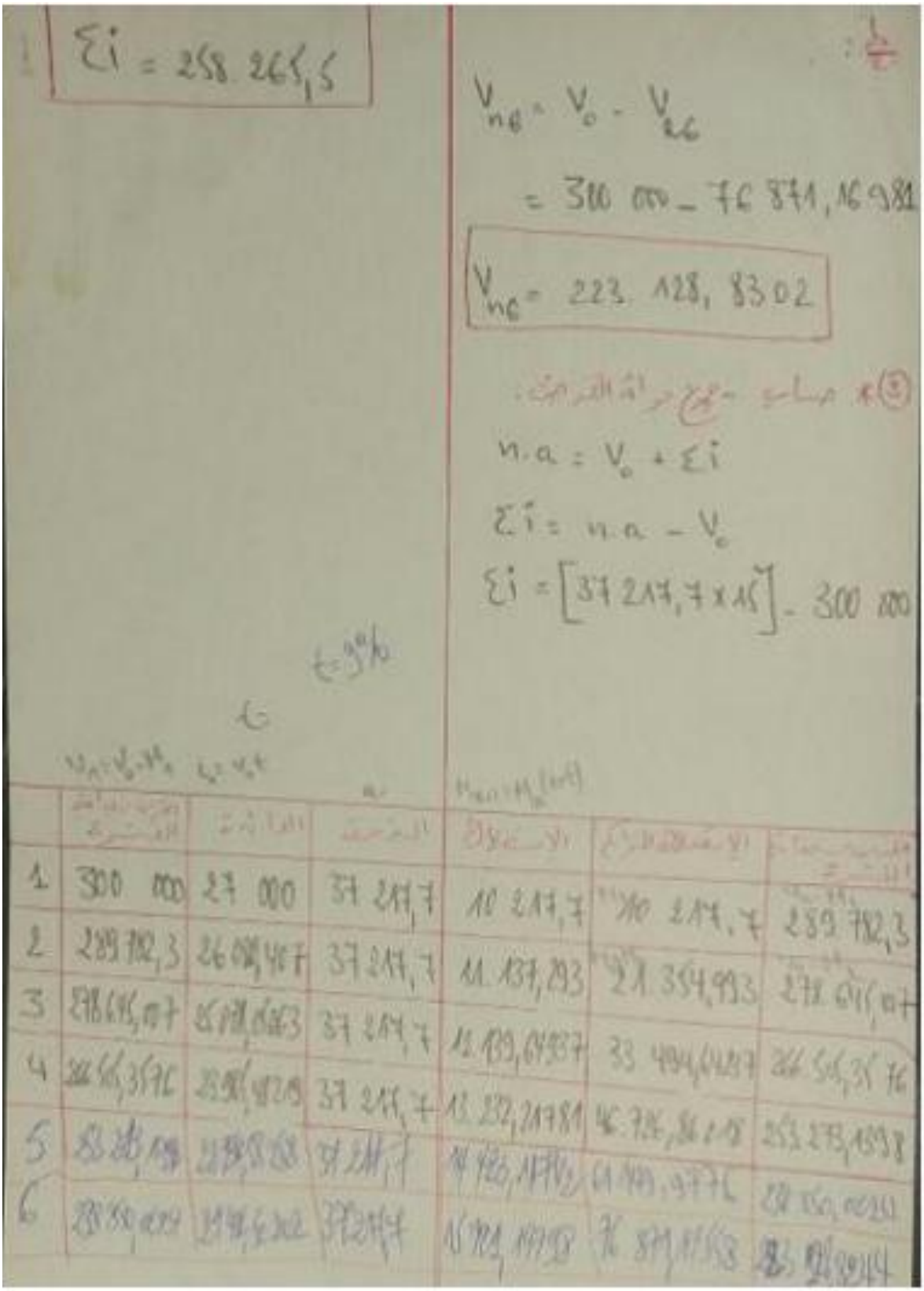
$$(1,12)^{-n} = 0,5066381083$$

$n =$ سنوات a

1	6450 000	94 000				
2	394 548,435 V_n					
3	332 492,65 22					
4	282 381,2394					
5	197 918,7828					
6	91 924,67174					0

التمرين الثاني:





$\Sigma i = 258\,261,5$

$V_{nc} = V_0 - V_{ac}$

$= 300\,000 - 76\,871,16981$

$V_{nc} = 223\,128,83302$

$n.a = V_0 + \Sigma i$

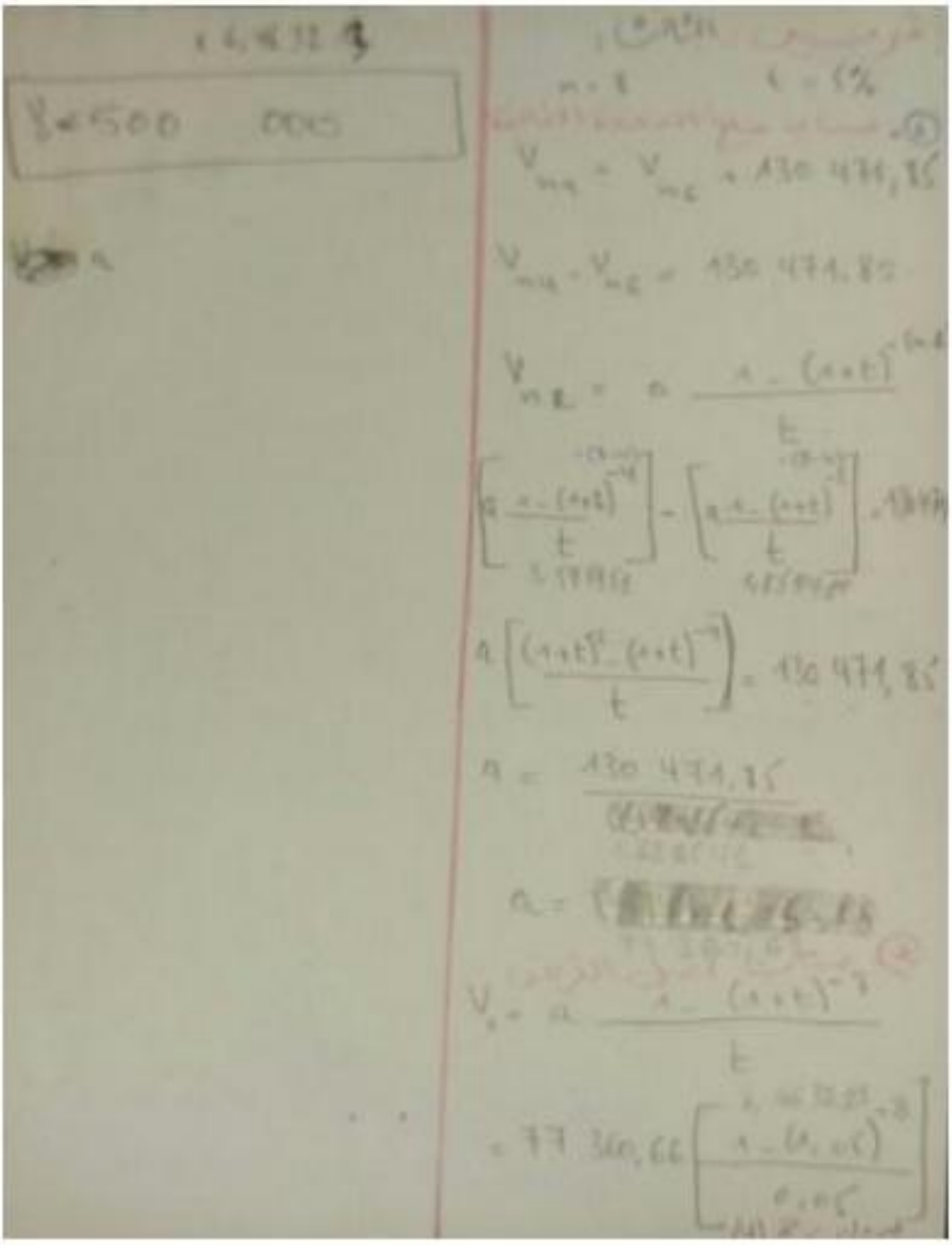
$\Sigma i = n.a - V_0$

$\Sigma i = [37\,217,7 \times 15] - 300\,000$

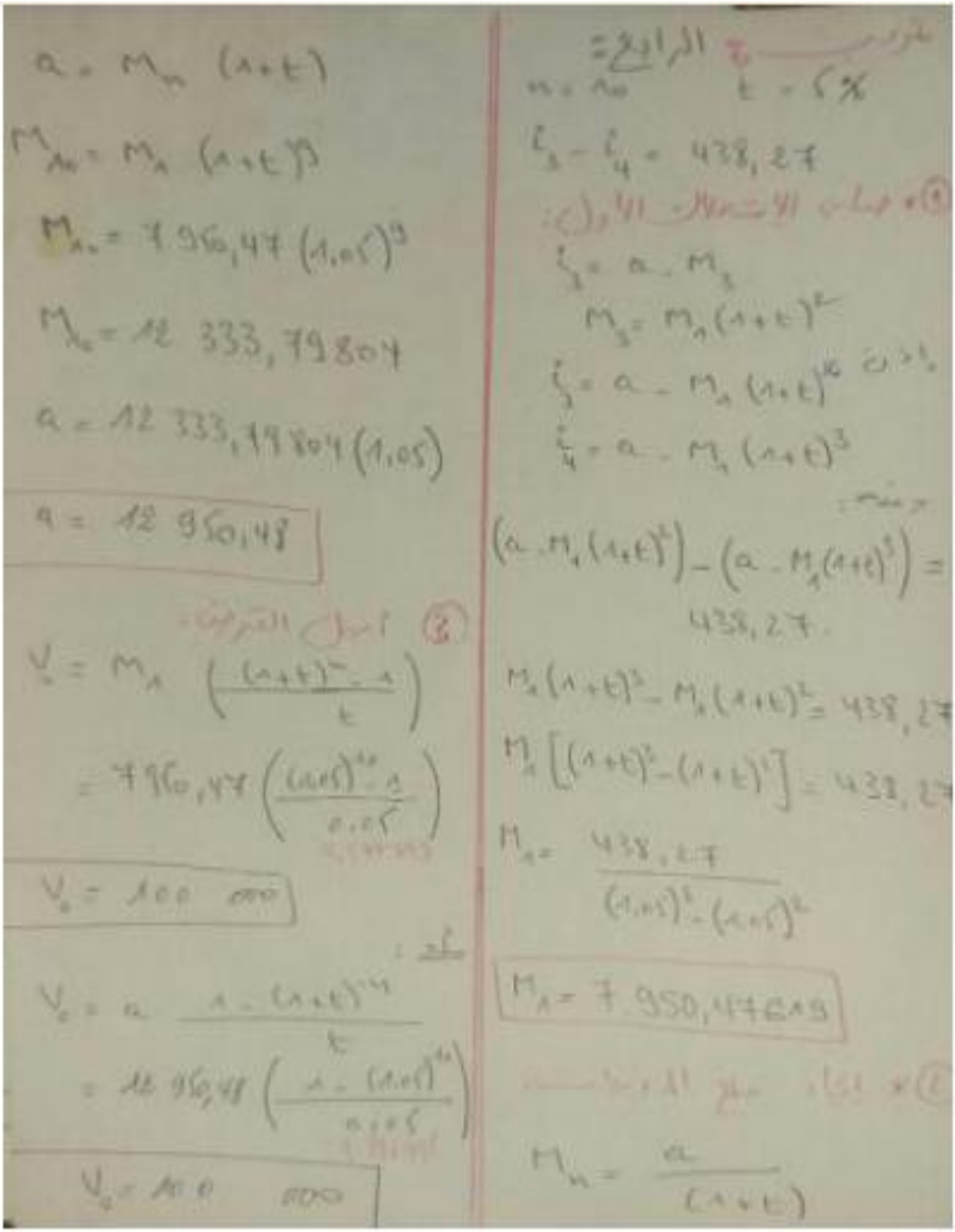
$t = 9\%$

1	300 000	27 000	37 217,7	10 217,7	310 217,7	289 782,3
2	289 782,3	26 080,407	37 217,7	11 137,293	321 354,993	278 644,07
3	278 644,07	25 078,0663	37 217,7	12 139,63637	333 494,6293	266 504,3706
4	266 504,3706	23 985,3933	37 217,7	13 232,30418	346 726,9335	253 273,0958
5	253 273,0958	22 794,5786	37 217,7	14 423,12459	361 150,0581	238 850,0372
6	238 850,0372	21 496,5033	37 217,7	15 721,19705	376 871,1551	223 128,8302

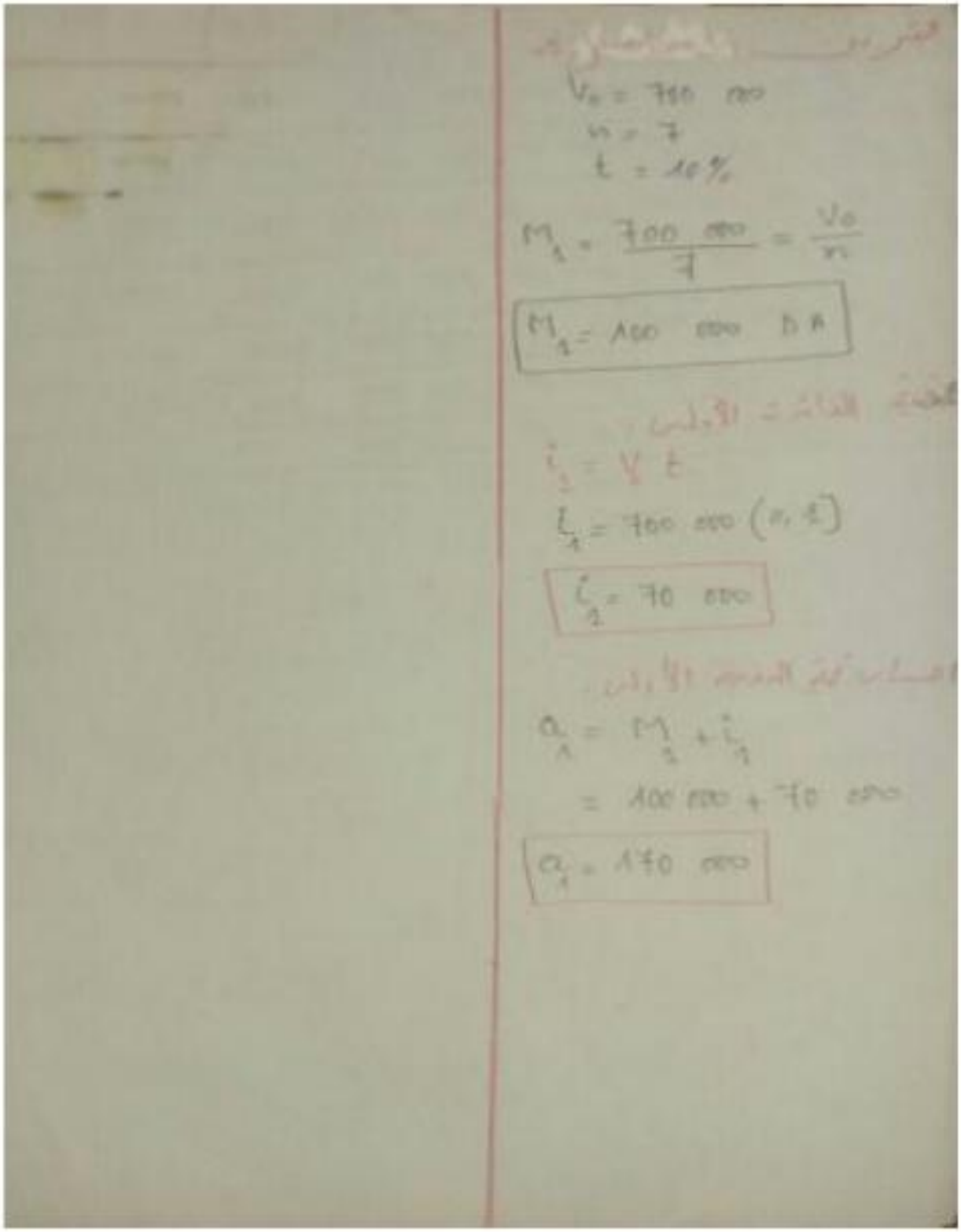
التمرين الثالث:

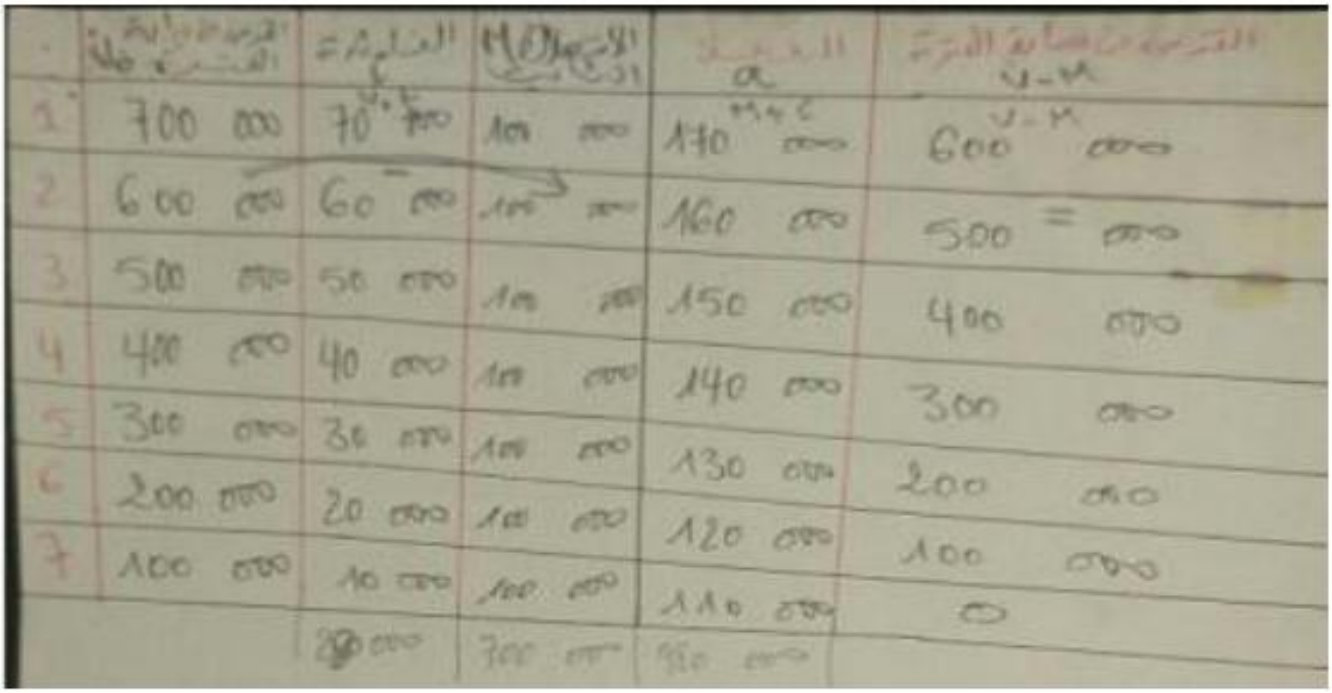


التمرين الرابع:



التمرين الخامس:





1	700 000	70 000	100 000	170 000	600 000
2	600 000	60 000	100 000	160 000	500 000
3	500 000	50 000	100 000	150 000	400 000
4	400 000	40 000	100 000	140 000	300 000
5	300 000	30 000	100 000	130 000	200 000
6	200 000	20 000	100 000	120 000	100 000
7	100 000	10 000	100 000	110 000	0
		280 000	700 000	910 000	