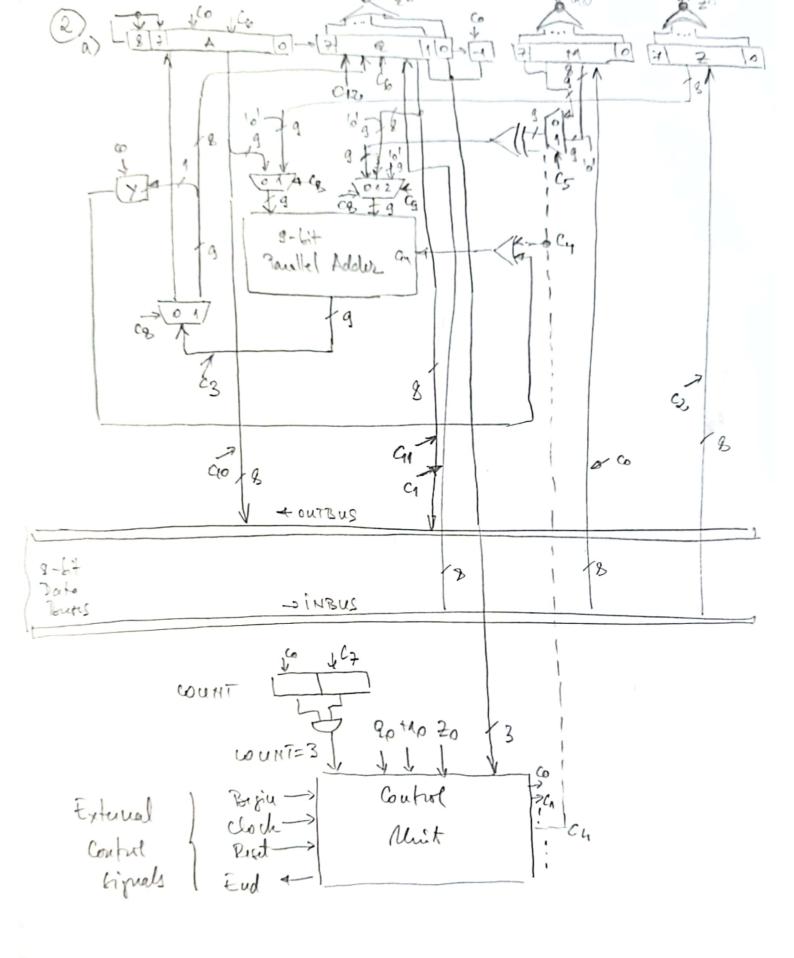
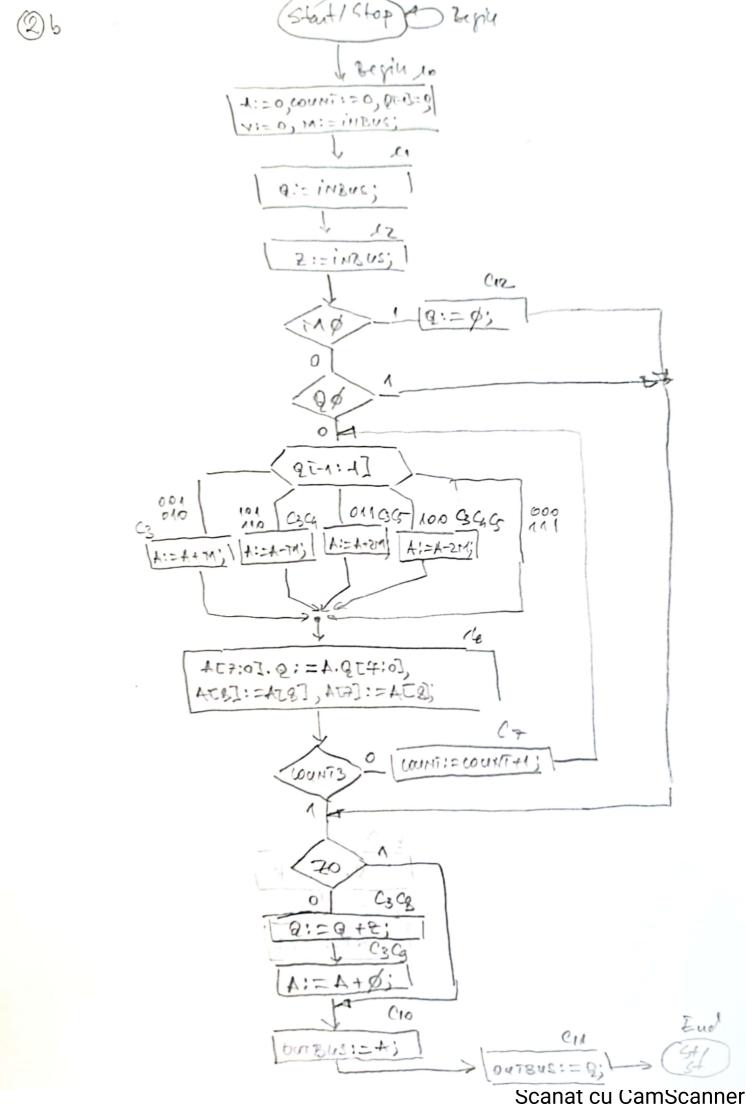
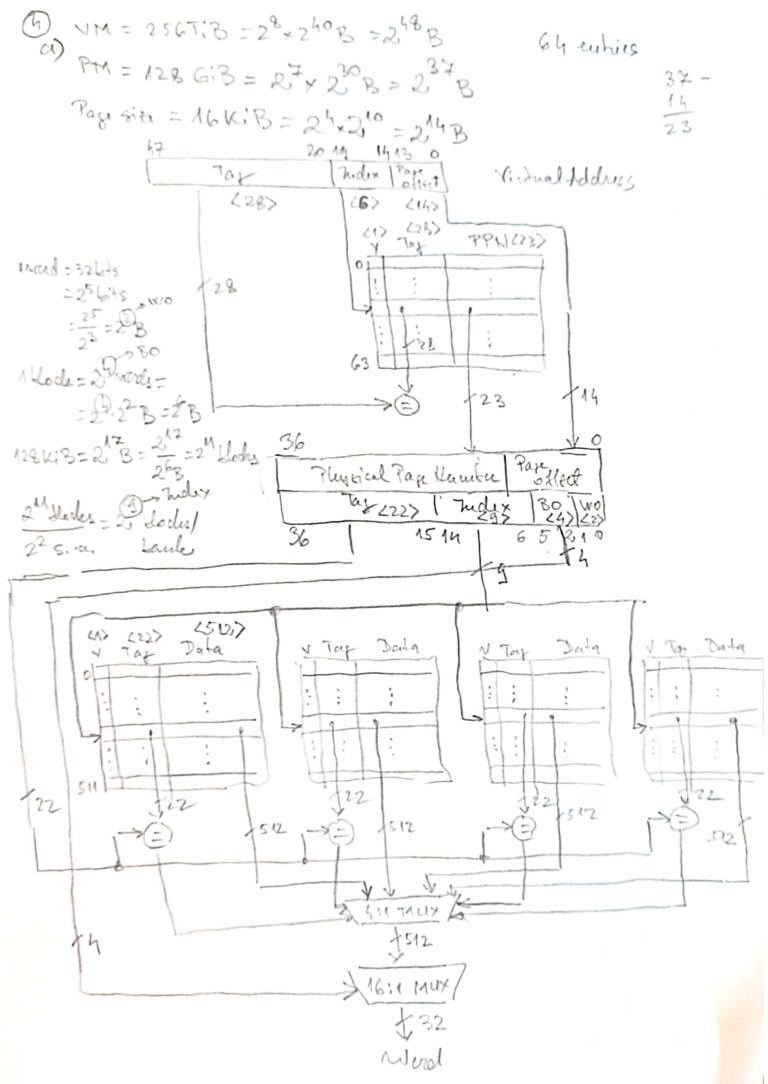
D X = -106				
	COUNT	A	9 181	W
7 = 112	00	0 0000 0000	1001 0110 0	
	+	1 0010 0000	-2M	
X = 1110 1010 SM		10010 0000	0000000000	
=1001011000	014	01110 0000	124	
10010 11062		010101000		
			0 0000 7001	0
106- 112-	Not	000111 000	S /	
64 64		01001101	0/100000000	
42- 48- 32 32 10 16		-		2
32 32	1 11.	10010 000		11
10 16		10100 011	01 10 10 0000	5×1
	-	11/11/10/100	W V	
W = 0 111 0000				
W=00111 0000	١.	100	2 = 1024	
-M=110010000		-106 x		
2M=011100000		112	2"=2048	\
		212	212=4096	
-2M=10010 000E		106	213=819	Z. \
222	9	= -11872	-	
000-0	٢	こーバルカナッ		)
811 12010	72-	101	011100110	2000 - P
011-2	9.5	NA O	14000 (1010	12000
100-2	30-		7,000	0000k2
110)	048			
111-0	32-			
	024			
= (	608-			
	512			
:	= 96-			
	64			
	32			







6) 7LB Total Gize = 26x (1LHV + 28 bits lag + 23 (HSPPH) \( \frac{1}{2}\) \( \text{S} \) \\
\( = \frac{1}{2}\) \( \text{R} \) \\
\( = \frac{1}{2}\) \( \text{R} \) \\
\( = \frac{1}{2}\) \( \text{R} \) \\
\( \text{Cache Total Gize} = \frac{2^2}{2} \times \frac{9}{2} \times \left[ 23 \text{bits} \right] + 26 \text{B} \right] \( \text{C} \) \( \text{CAL Lits} \) \( \text{CAL Lits} \)
\( = \frac{1}{3}\) \( \text{R} \) \\
\( = \frac{1}{3}\) \( \text{R} \) \\( \text{R} \) \\
\( = \frac{1}{3}\) \( \text{R} \) \\\( \text{R} \) \\
\( = \frac{1}{3}\) \( \text{R} \) \\\( \text{R} \) \\

```
(5) Clock cycletimex = 1 us = 0.2857 us
    Miss Pruelty = 300 us = 1051 C.C.
   cullisses pa instruction x = 1 x 0.1 + 0.25 x 0.08 = 0.12
     Miss rate = 0.12 = 0.12 = 0.096
   CPU Huex = ICx (4+0.12 × 1051) × 0.285705 = IC × 37. 175284
   CPU timey = IC x (CPI idealy + 1.25 x 0.09 x 1051) x 0.2857 us
   Perfy > Perfx => CPUlinay < CPUlinex
    JCX(CPIIdldy + 1.25 × 0.09 × 1051) < JC(4+0.12 × 1051)
    CPI idealy < 4+0,12×1051-1,25×0.09 × 1051
=> [CPI idealy < M. 8825] (30.12 1.25×0.09 × 1051
  b) AMATX = 2 x 0.2857 us + 0.096 x 1051 x 0.2857 us =
              = (2+0.096×1051) × 0.285745= 29.3973872, us
    AMATy = (a+0.09×1051)×0.2837us
     ATTATY < AMAT => (a+ 0.09 × 1051) < (2+0.096×1051)
            a L 2 + 0.096 × 1051 - 0.09 × 1051
            a L 2 + 1051 (0.096-0.09)
            aLZ + 1051 x 0,006
           a < 8,306 ] a - access in c.c to the cache.
         => a < 9 disence a - en julig.
```

Scanat cu CamScanner

```
MOY 90, #0; initialize i
      MOY 21, #0; initialize in
      ADE RZ, wax; bring the address of wax
      LDR 723, [92]; bring the value of max
      ADR 725, 9
       ADR R6,12
                         put 2x i iu 24
Loop: MUL RL, Rd, H2;
        ADD M, M, 24; M:= m+2i
                        ; cauque u vitte max
        CMP 121, 23
        BNE muxt
                                 ; diride wax by 4
        MOY R7, 23, ASR #2
                                 ; store 9
        STRI 127, [25]
                                 : calculate iz = max - max/4
        SUB 128, 123, 127
                                 3 store 12
        STR 28, [76]
                                  update index i
      ADD Rd, Rd, #1
                                 ; compace i vitte max
        CMP Rd, 123
                                 ; if i c wax continue loop
        BLT loop
hoppend: --
```