T1

input device ; output device ; CPU(ALU+CU)
memory ; storage ; GPU ; power

T2

$$\frac{1024 \text{ Bytes}}{4 \text{ Byte/word}} = 256 \text{ words}$$

T3

$$\frac{2^{30}}{2^{10}} = 2^{20}$$

T4 11010101

T5 False

T6 program counter (PC)

T7 F

T8 0X4001100C

T9 A

T10 FFFFFEFF

T11 N: 0
Z: 0
C: 1
V: 0

T12

r3: 0x00000026

r4: 0x00000016

r5: 0x0000000e

r6: 0x00000012

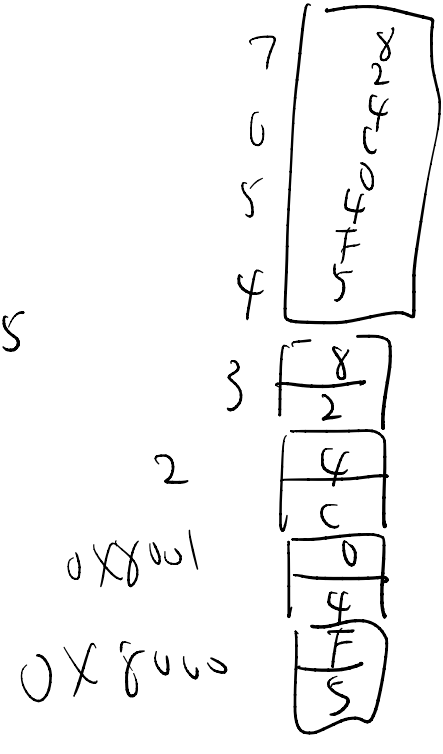
r15: 0x00000120

T13 r4: 0x8004

r7: 0x824c04f5

r8: 0x824c04f5

yes



T14

R0: 1

R1: 3

R2: 4 R3: 5

R14: 0x0800000C

R15: 0x08000010

T15

int y= 5%x-2

= 5%6-2

= 5-2

= 3

T16 R_1: 0x4 R_2: 0x3

R_{13}: 0x08000010

T17 first: 2 second: 8 last: 3

T18 B

T19 True

T20 0_0010001-1-1

first transferred ⟶ last transferred

T21 4分

T22 $50 \times 10^{-3} = \frac{(ARR+1)}{72 \times 10^3}$

$ARR+1 = 3600$

$ARR = 3599$

T23 $T = \frac{65536 \times (1+7199)}{72 \times 10^6}$

$= 6.5536\ S$

T24 B

T25 False

T26 True

T27 65535

T28 12.5%

T24

1) NO 3) 300

2) 444 4) 15%

T30 799999

T31 False

T32 9; MSB first

T33 false

T34 address: 100100 (0x48)
transmitter

T35. B

T36 D

T37 C

T38 C

T34 400MB 15

T40 4 -> 7 -> 3 -> 1 -> 2 -> 6 -> 5

T41 fetch, decode and execute

T42 C

T43 B

T44 C

T45

a) 140V

b) 200V

T46 12

T47

12	3×2^{24}	?	?
16	?	2^{30}	2^{42}
32	?	2^{31}	2^{43}

T48 RSB r2, r1, r1, LSL #4

T49 (unsigned interger)

MOV r2, r1, LSR #3

T50