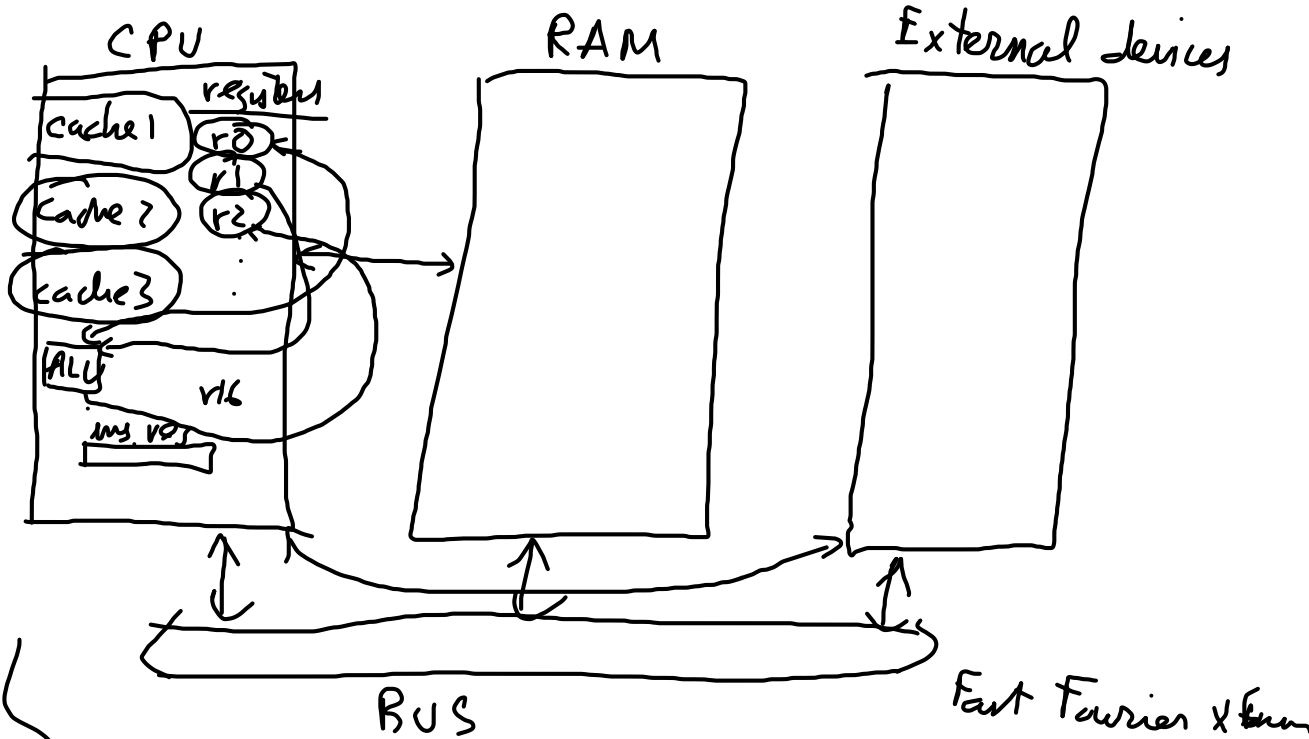


August 23, 2021

Von Neuman architecture

SWAP

1 r n o
2 i d w
e g e
h r
+



5 → r0
31 21 0
0...000101

4 → r1
5 * 4 #5

mul r2, r0, r1 @ r2 = r0 * r1
= 5 * 4

5 = 000...00101
5 * 2²
0 + 0 + 0 + 1 * 2⁴ + 0 * 2³ + 1 * 2² + 0 * 2¹ + 1 * 2⁰
0 → 00010100

Fast Fourier Transform

ALU - Arithmetic Logic Unit

