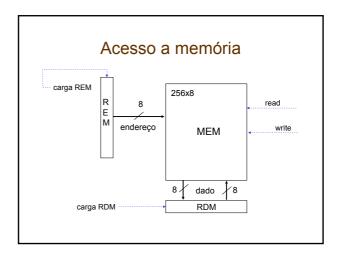
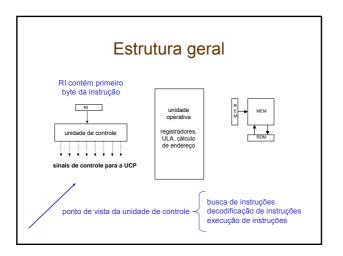
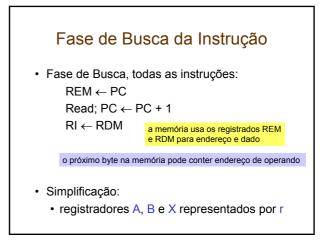
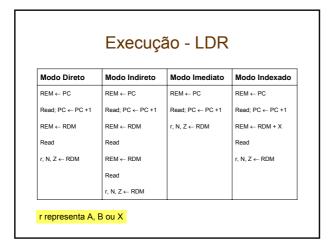
Organização do Ramses (O método *ad-hoc* começa a falhar :-)









Execução - ADD				
Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado	
REM ← PC	REM ← PC	REM ← PC	REM ← PC	
Read; PC ← PC +1				
REM ← RDM	REM ← RDM	$r,N,Z,C \leftarrow r + RDM$	REM ← RDM + X	
Read	Read		Read	
$r,N,Z,C \leftarrow r + RDM$	REM ← RDM		$r,N,Z,C \leftarrow r + RDM$	
	Read			
	$r,N,Z,C \leftarrow r + RDM$			

Execução - STR

Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado
$REM \leftarrow PC$	REM ← PC	REM ← PC	REM ← PC
Read; PC \leftarrow PC +1	Read; PC ← PC +1	$RDM \leftarrow r; PC \leftarrow PC +1$	Read; PC ← PC +1
$REM \leftarrow RDM$	$REM \leftarrow RDM$	Write	REM ← RDM + X
$RDM \leftarrow r$	Read		RDM ← r
Write	$REM \leftarrow RDM$		Write
	$RDM \leftarrow r$		
	Write		

Execução - JMP

Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado
REM ← PC	REM ← PC	PC ← PC +1	REM ← PC
Read	Read		Read
$PC \leftarrow RDM$	REM ← RDM		$PC \leftarrow RDM + X$
	Read		
	PC ← RDM		

Execução - Jx, x=1

Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado
REM ← PC	REM ← PC	PC ← PC +1	REM ← PC
Read	Read		Read
PC ← RDM	$REM \leftarrow RDM$		PC ← RDM + X
	Read		
	PC ← RDM		

Execução - Jx, x=0

Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado
PC ← PC +1	PC ← PC +1	PC ← PC +1	PC ← PC +1

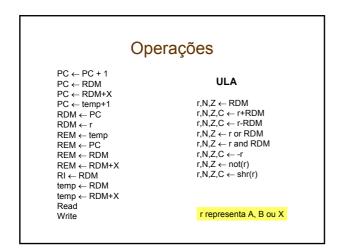
Execução - Instr. com regs

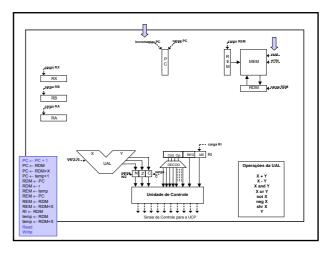
- Execução da instrução NEG r, N, Z, C \leftarrow (r)
- Execução da instrução NOT $r,\,N,\,Z \leftarrow not(r)$
- Execução da instrução SHR
 r, N, Z, C ← shr(r)

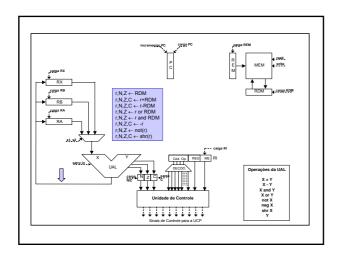
r representa A, B ou X

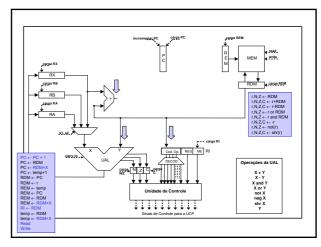
Execução - JSR

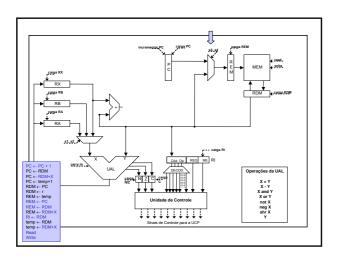
Modo Direto	Modo Indireto	Modo Imediato	Modo Indexado
REM ← PC	REM ←PC	PC ← PC +1	REM ← PC
Read; PC ← PC +1	Read; PC ← PC +1		Read; PC ← PC +1
$temp \leftarrow RDM$	$REM \leftarrow RDM$		$temp \leftarrow RDM + X$
REM ← temp	Read		REM ← temp
$RDM \gets PC$	temp ← RDM		RDM ← PC
Write; PC ← temp + 1	REM ← temp		Write; PC ← temp + 1
	RDM ← PC		
	Write; PC ← temp + 1		

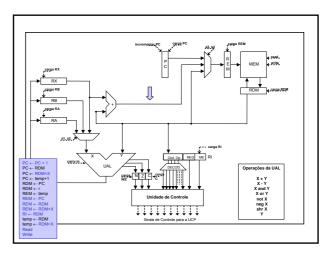


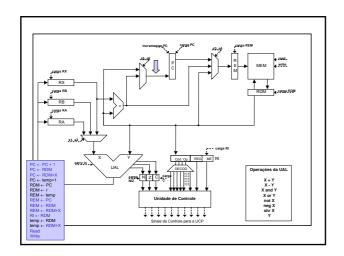


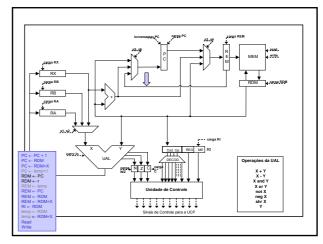


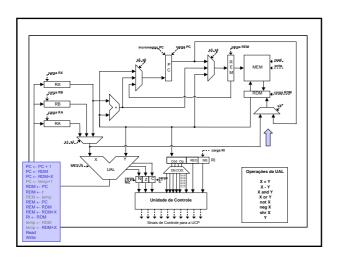












projeto está bom? critérios área velocidade consumo de potência beleza estética (?!!!) observar a grande quantidade de seletores de 3 entradas, e de um somador extra

