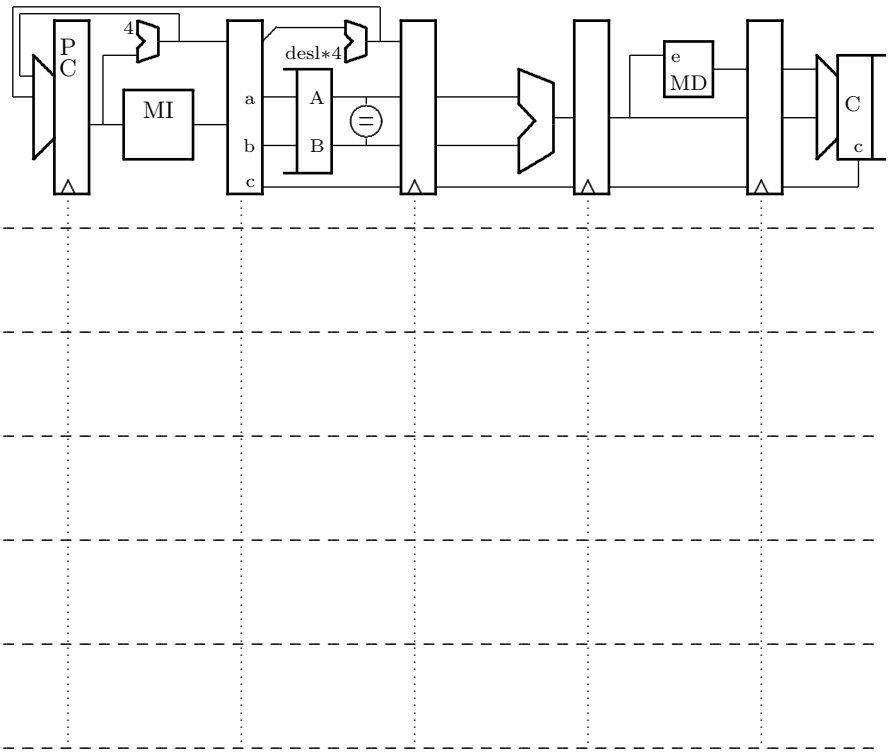
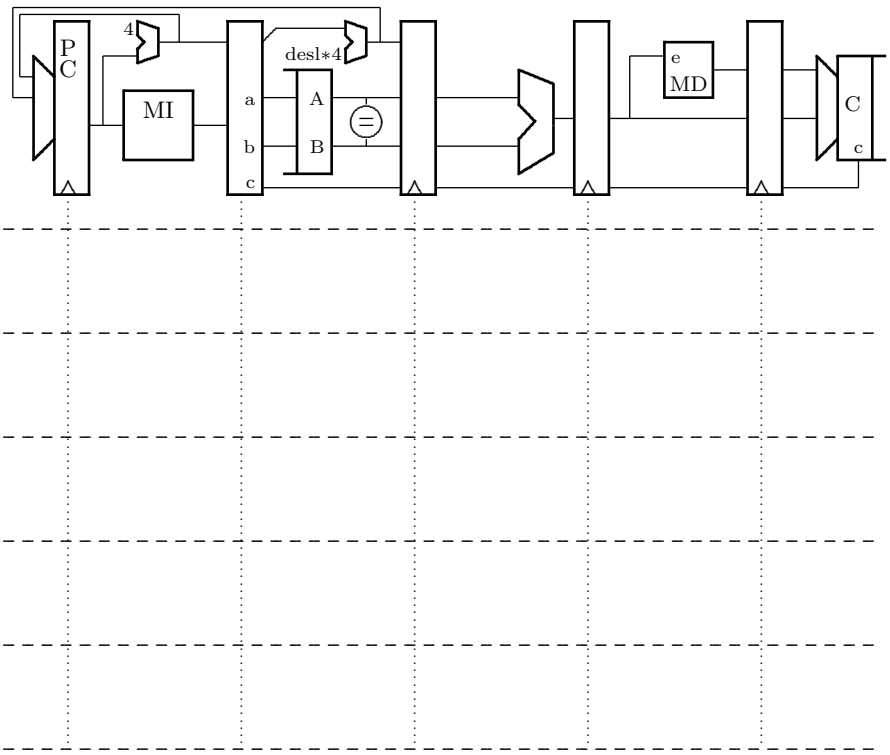
UFPR – DInf – Bacharelado em Ciência da Computação
CI064 – Software Básico
Exercícios sobre Segmentação do MIPS — 2017-1



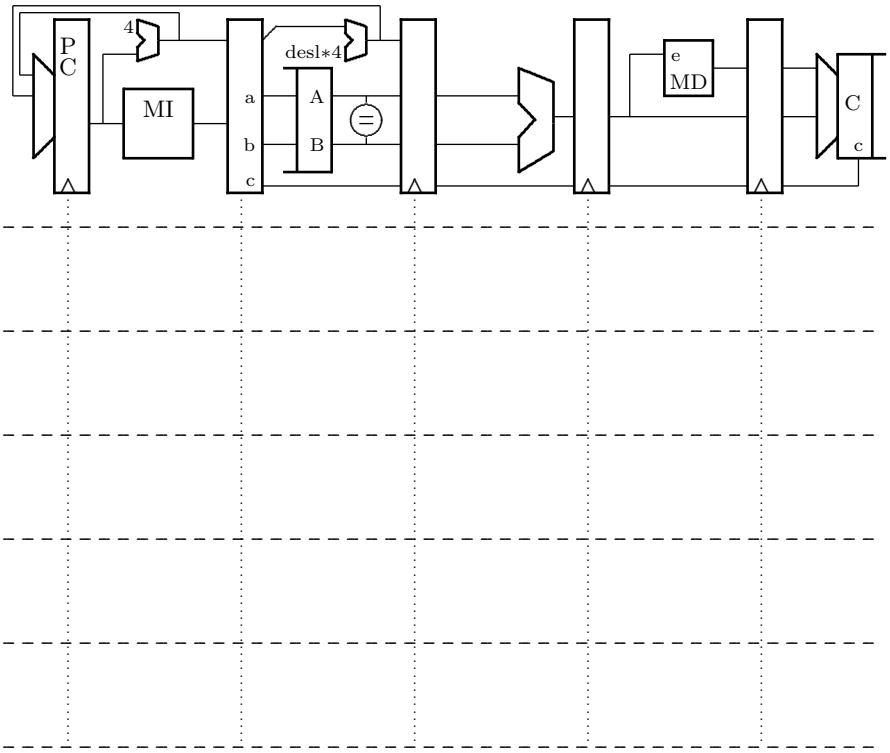
Ex. 1

```
add r1, r2, r3
sub r4, r5, r6
xor r7, r8, r9
or  r10, r11, r12
and r13, r14, r15
```



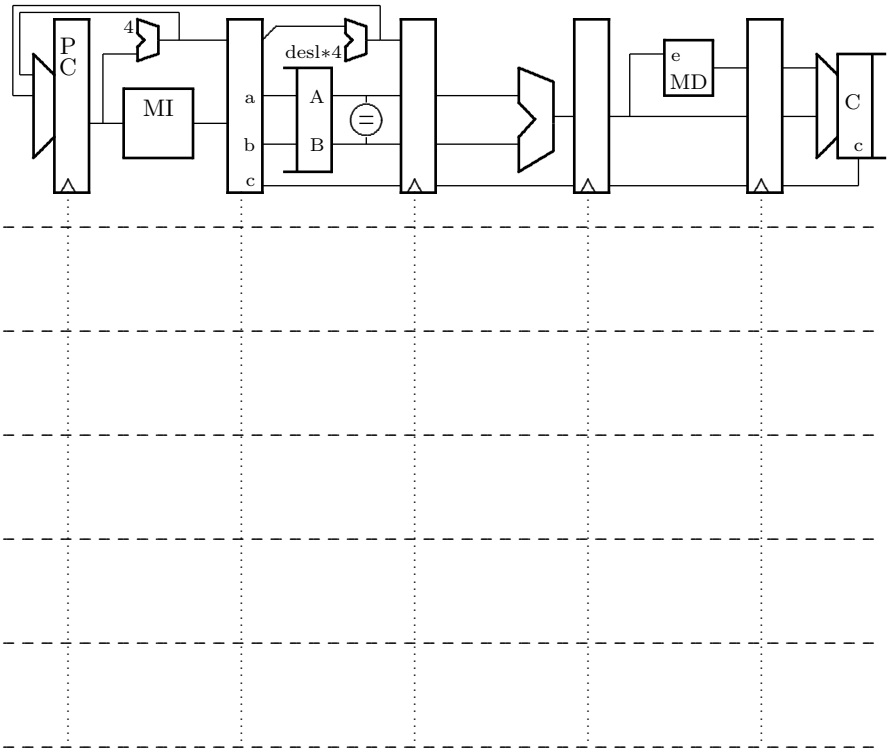
Ex. 2

```
add r1, r2, r3
sub r4, r1, r6
xor r7, r4, r9
or  r10, r11, r7
and r13, r14, r10
```



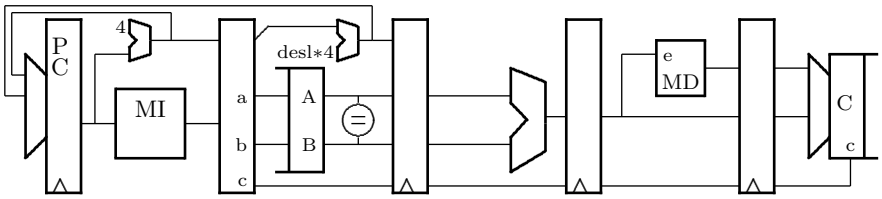
Ex. 3
sem adiantamento

```
add r1, r2, r3
sub r4, r5, r1
xor r7, r1, r4
or  r10, r7, r1
and r13, r7, r10
```



Ex. 4
com adiantamento

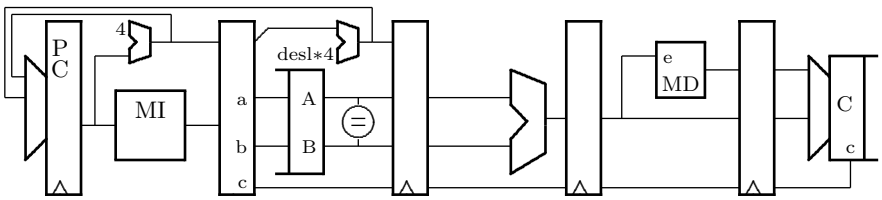
```
add r1, r2, r3
sub r4, r5, r1
xor r7, r1, r4
or  r10, r7, r1
and r13, r7, r10
```



Ex. 5

sem adiantamento

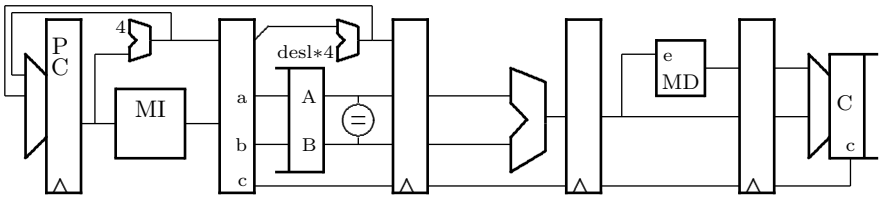
```
lw   r1, 0(r2)
addi r2, r1, 1
sw   r1, 0(r4)
addi r4, r4, 1
addi r5, r5, -4
bne  r5, zero, -6
```



Ex. 6

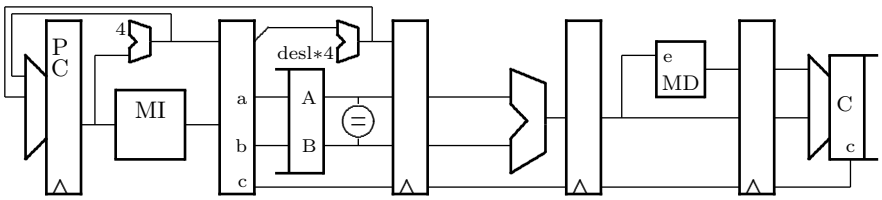
com adiantamento

```
lw   r1, 0(r2)
addi r2, r1, 1
sw   r1, 0(r4)
addi r4, r4, 1
addi r5, r5, -4
bne  r5, zero, -6
```



Ex. 7
sem adiantamento
com reordenação

```
lw   r1, 0(r2)
addi r2, r1, 1
sw   r1, 0(r4)
addi r4, r4, 1
addi r5, r5, -4
bne  r5, zero, -6
```



Ex. 8
com adiantamento
com reordenação

```
lw   r1, 0(r2)
addi r2, r1, 1
sw   r1, 0(r4)
addi r4, r4, 1
addi r5, r5, -4
bne  r5, zero, -6
```