

Ejercicio 4.3

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a)

```
lw $1, 40($6)
add $6, $2, $2
sw $6, 50($1)
```

Dependencias:

lw y add. Write after read. (antidependencia)

lw y sw. Read after write. (dependencia verdadera)

add y sw. Read after write. (dependencia verdadera)

```
lw $1, 40($6)
add $6, $2, $2
nop
nop
sw $6, 50($1)
```

b)

```
lw $5, -16($5)
sw $5, -16($5)
add $5, $5, $5
```

Dependencias:

lw y sw. Read after write. (dependencia verdadera)

lw y add. Write after write, read after write, write after read. (dependencia de salida, verdadera y antudependencia)

sw y add. Write after read. (antidependencia)

```
lw $5, -16($5)
nop
nop
sw $5, -16($5)
add $5, $5, $5
```