addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

Draw arrows from the stages where the data is made available, and direct them to where they are needed. **No forwarding**
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

Draw arrows from the stages where the data is made available, and direct them to where they are needed. **No forwarding**

First, you should mark all dependencies: where the same data is used.
addi $t0 $t1 100

lw $t2 4($t0)

add $t3 $t1 $t2

sw $t3 8($t0)

lw $t5 0($t6)

or $t5 $t0 $t3

Draw arrows from the stages where the data is made available, and direct them to where they are needed. **No forwarding**

Then, draw out where the data is available, to where it is necessary.
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

How many stalls do we need?
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

How many stalls do we need?

NOTE: When you resolve an earlier dependency of the same data, you most likely will also resolve later ones! (not always, but most likely)
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

How many stalls do we need?
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

How many stalls do we need? 6
Draw arrows from the stages where the data is made available, and direct them to where they are needed. **Forwarding**

First, you should mark all dependencies: where the same data is used.
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

Draw arrows from the stages where the data is made available, and direct them to where they are needed. **Forwarding**

Then, draw out where the data is available, to where it is necessary.
addi $t0 $t1 100

lw  $t2 4($t0)

add $t3 $t1 $t2

sw  $t3 8($t0)

lw  $t5 0($t6)

or  $t5 $t0 $t3

How many stalls do we need?
addi $t0 $t1 100
lw $t2 4($t0)
add $t3 $t1 $t2
sw $t3 8($t0)
lw $t5 0($t6)
or $t5 $t0 $t3

How many stalls do we need? 1