

# Kahoot!

## OoO Quiz 2

1 play · 78 players

A kahoot by Penn State

### Questions (8)

1 - Poll

Honestly, how much have you understood about OoO?

20 sec

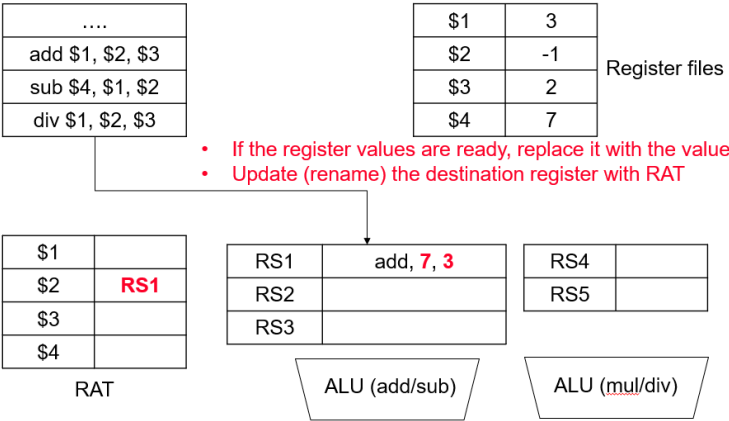
- > 90%
- ~70%
- ~50%
- < 30%

2 - Quiz

What will the div instruction's two source registers renamed into?

90 sec

- div, -1, 2
- div RS1, 2
- div -1, RS4
- div RS1, RS4



## 3 - Quiz

What will NOT happen after the instruction from RS1 is executed?

90 sec



Source register values for instructions in the RS will be updated



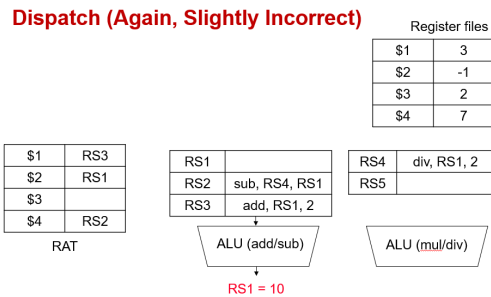
Register file will be updated



RAT will NOT be freed



RS1 will be freed



## 4 - Quiz

Why did we introduce ROB?

60 sec



To support reordering



To support renaming



To support precise interrupt



To support data forwarding



## 5 - Quiz

What does NOT happen after executing the instruction w/ ROB?

90 sec



The reservation station is freed



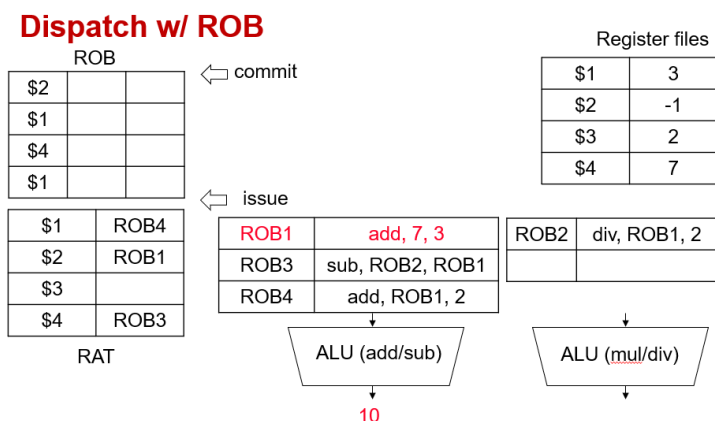
ROB is updated



The source registers in the reservation station is updated







The register file is updated



## 6 - Quiz

**What is true about modern OoO processor?**

30 sec

-  It issues instructions out-of-order ✗
-  It executes instructions out-of-order ✓
-  It commits instructions out-of-order ✗
-  All of above ✗

## 7 - Quiz

**If you are immediately loading from an address that you just stored to, you will probably read from...**





60 sec

-  cache ✗
-  memory ✗
-  load-store queue (LSQ) ✓
-  ROB ✗

## 8 - Quiz

**Why is my Arduino not OoO?**

60 sec

-  Because it can become expensive ✗
-  Because it can become high power ✗
-  Because you probably does not need such a high performance ✗
-  All of the above ✓

**Resource credits**

Description: Anita Kot/Moment/Getty Images