# Kahoot!

# MT/OoO quiz

1 play · 70 players

A kahoot by Penn State

## Questions (8)

1 - Quiz

**What is true about Coarse-Grain multithreading (CGMT)**                    60 sec

🔺 Sacrifies significant single thread latency                    ✗

🔷 Can fill load-use stalls efficiently                    ✗

🟡 Flushes the entire pipeline on switch                    ✓

🟩 Good for complicated long pipeline                    ✗

2 - Quiz

**What is true about fine-grain multithreading?**                    60 sec

🔺 Multiple threads can share ALU                    ✓

🔷 Multiple threads can share register file                    ✗

🟡 The entire BHT/BTB must be duplicated                    ✗

🟩 Only one thread run at a time for the entire pipeline                    ✗

3 - Quiz

**Who is Tomasulo?**                                                                              20 sec

△ 1                                                                                              ✓

◆ 2                                                                                              ✗

● 3                                                                                              ✗

■ 4                                                                                              ✗

4 - Quiz

**What does the add becomes after issuing?**                                                      60 sec
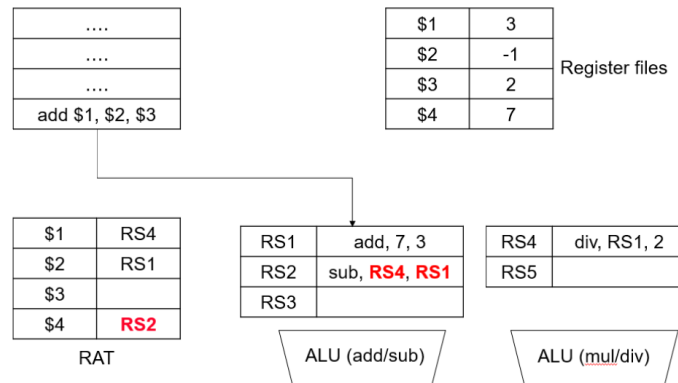
△ add, -1, 2                                                                                     ✗

◆ add 3, -1                                                                                      ✗

● add RS1, 2                                                                                     ✓

■ add RS4, RS1                                                                                   ✗



5 - Quiz

**What is NOT supported in the original Tomasulo?**                                                60 sec

△ Out-of-order dispatch                                                                          ✗

◆ Precise exception                                                                              ✓

● Dynamic register renaming                                                                      ✗

■ In-order issue                                                                                 ✗

6 - Quiz

**What is related to out-of-order dispatch?**                              20 sec

▲ Reorder buffer (ROB)                                                     ✗

◆ Load-store queue (LSQ)                                                   ✗

● Reservation station (RS)                                                 ✓

■ Instruction queue                                                        ✗

7 - Quiz

**What is NOT true about modern OoO processors?**                          60 sec

▲ Instruction is issued in-order                                           ✗

◆ Instruction is executed out-of-order                                     ✗

● Instruction is committed out-of-order                                    ✓

■ All of the above are true                                                ✗

8 - Quiz

**If a load accesses the same memory address from an immediately preceding store, where do the value come from?**                                        60 sec

▲ Cache/memory                                                             ✗

◆ Broadcasted from the bus                                                 ✗

● Store queue                                                              ✓

■ ROB                                                                      ✗

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