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Tutorial 4

COMPUTER ARCHITECTURE

CS3021

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## Question 1

### Part 1

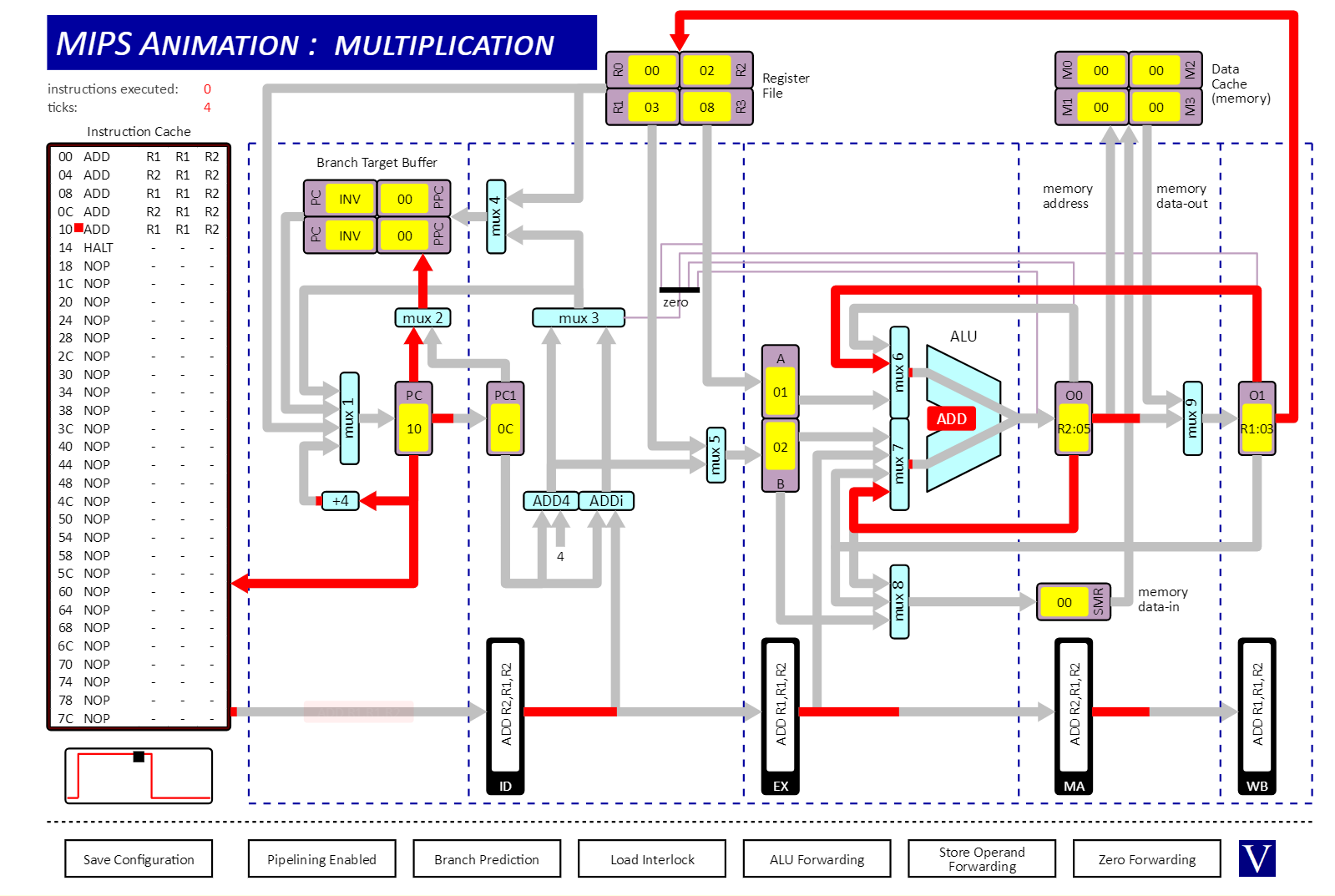
ADD R1, R1, R2

ADD R2, R1, R2

ADD R1, R1, R2

ADD R2, R1, R2

ADD R1, R1, R2



### Part 2

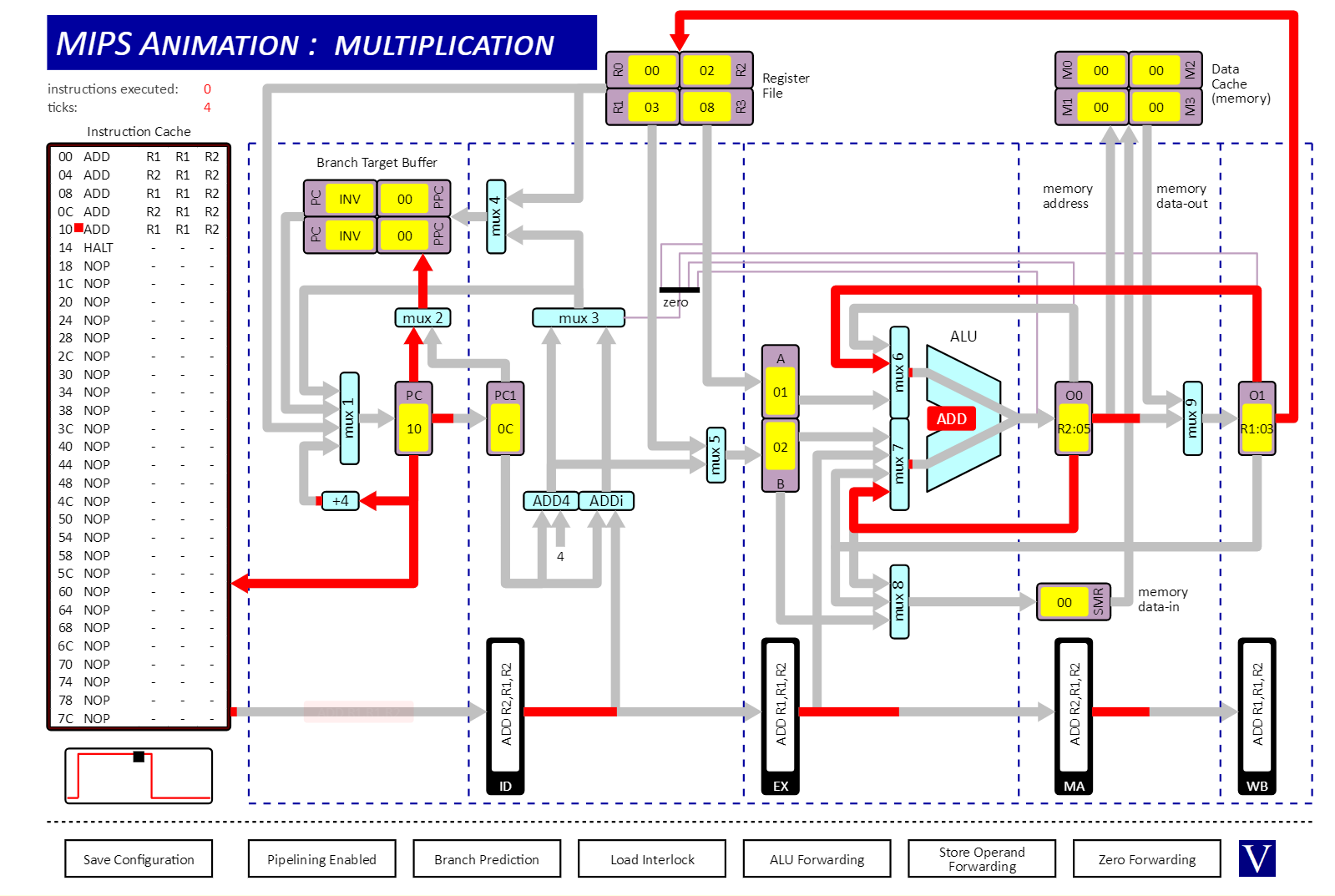
ADD R1, R1, R2

ADD R2, R1, R2

ADD R1, R1, R2

ADD R2, R1, R2

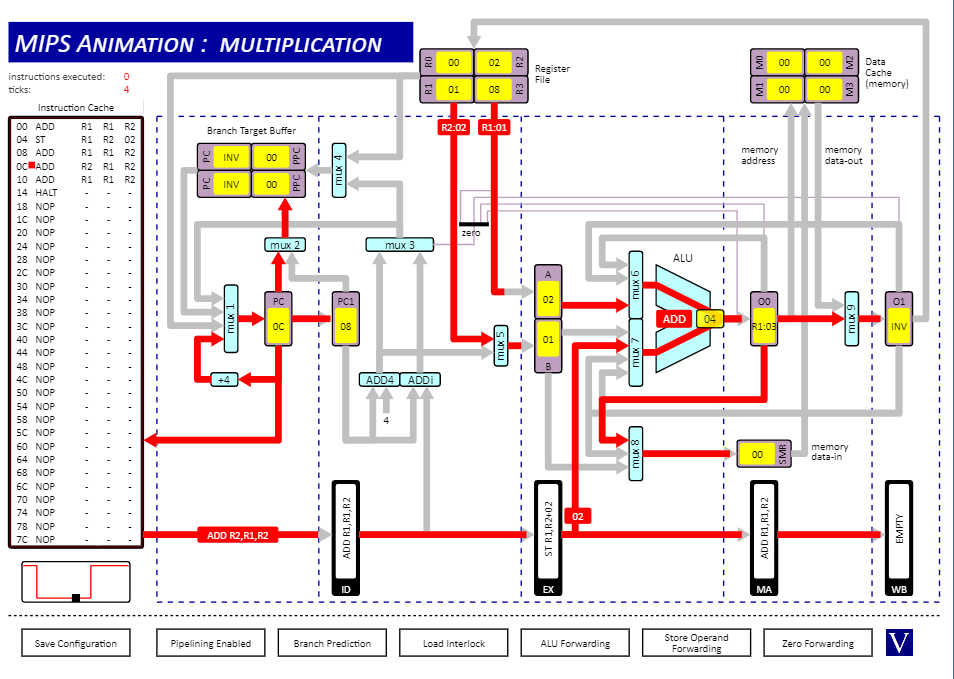
ADD R1, R1, R2



### Part 3

ADD R1, R1, R2

ST R1, R2, O2



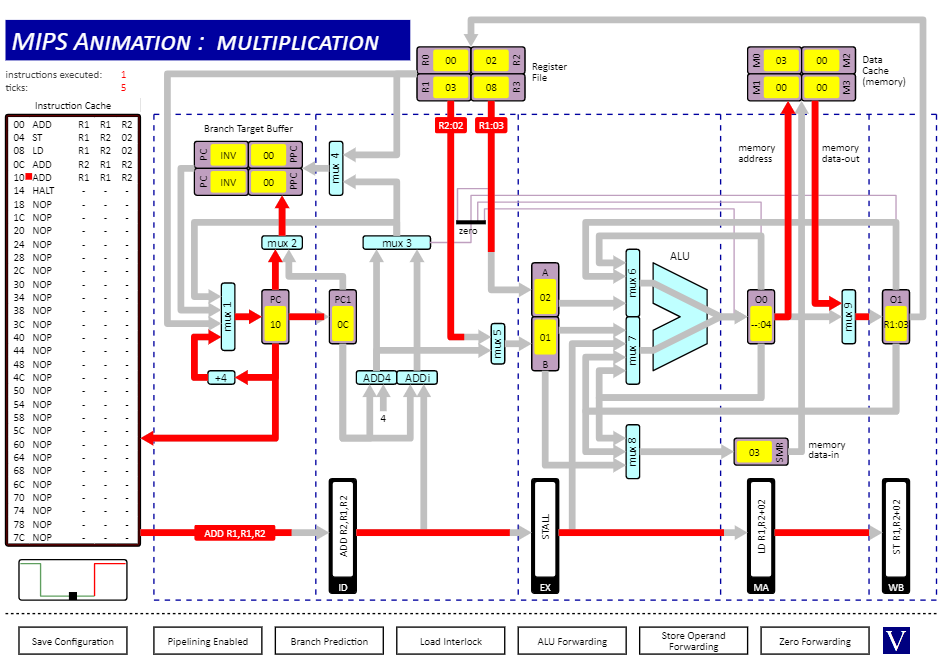
### Part 4

### Part 5

ADD R1, R1, R2

ST R1, R2, O2

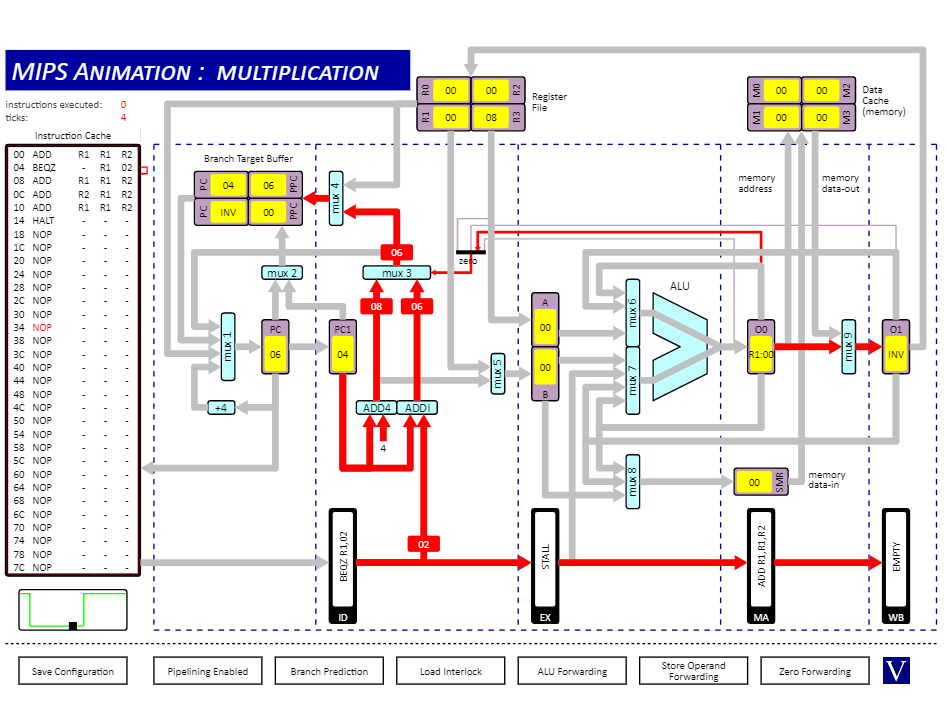
LD R1, R1, R2



### Part 6

ADD R1, R1, R2

BEQZ -, R1, O2



### Part 7

### Part 8

## Question 2

## Question 3