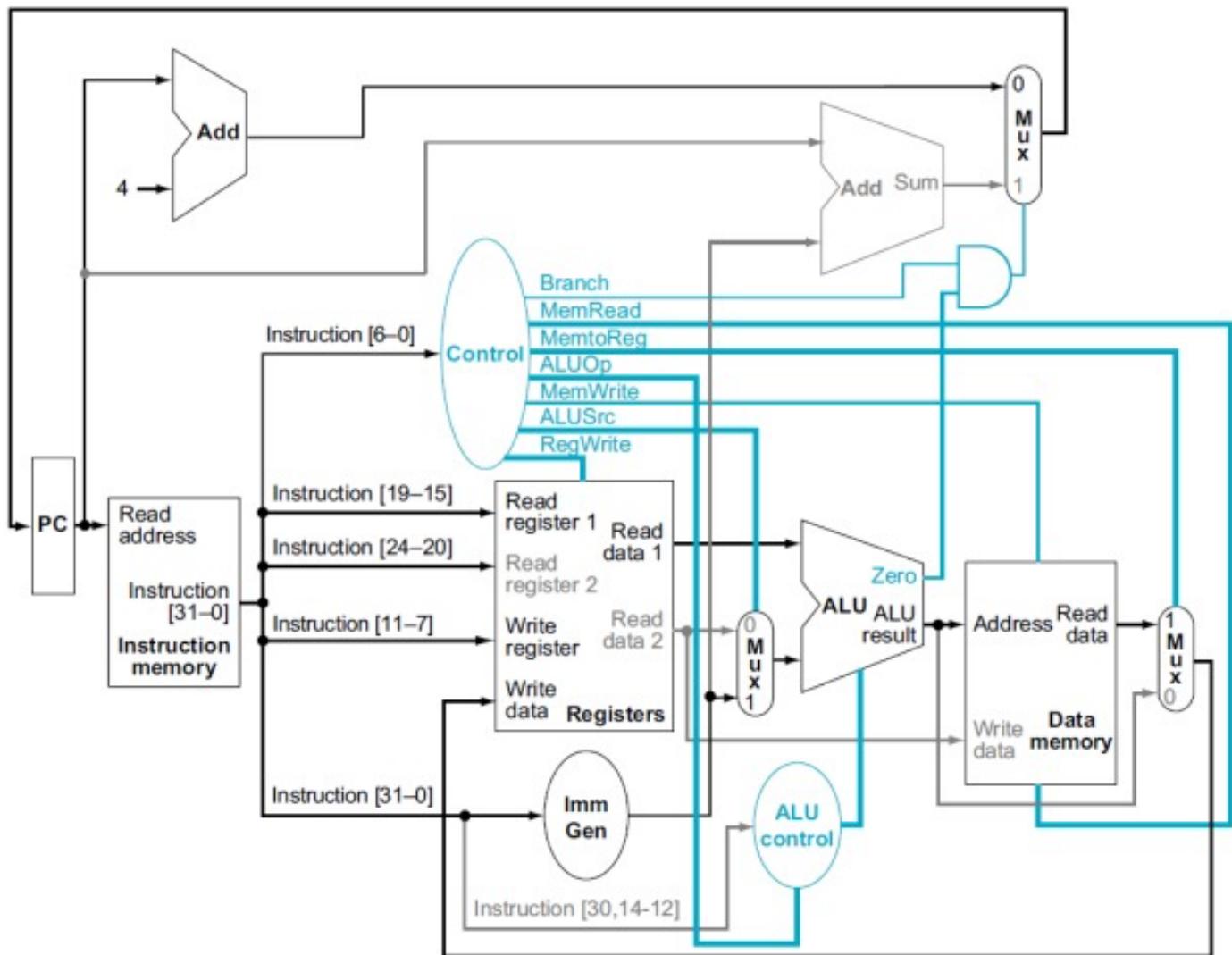


- 1) Draw the schematic for a single stage processor and fill in your code in the to run the simulator



Testcase 0



A screenshot of a macOS TextEdit window titled "PerformanceMetrics.txt". The window displays the following text:

```
Performance of Single Stage:  
#Cycles -> 7  
#Instructions -> 6  
CPI -> 1.1666666666666667  
IPC -> 0.8571428571428571
```

The window has a standard OS X look with a close button, a "Save" button, and an "Open withTextEdit" button in the title bar.

2)

Testcase 1



A screenshot of a macOS TextEdit window titled "PerformanceMetrics.txt". The window displays the following text:

```
Performance of Single Stage:  
#Cycles -> 40  
#Instructions -> 39  
CPI -> 1.0256410256410258  
IPC -> 0.975
```

The window has a standard OS X look with a title bar, a close button, and an "Open withTextEdit" button. The text is rendered in a monospaced font.

Testcase 3



The screenshot shows a macOS TextEdit window titled "PerformanceMetrics.txt". The window contains the following text:

```
Performance of Single Stage:  
#Cycles -> 36  
#Instructions -> 35  
CPI -> 1.0285714285714287  
IPC -> 0.9722222222222222
```

At the top right of the window, there is a "Save" icon and a "Open withTextEdit" button.