

# Assignment 6, Part A

Adrian Lozada

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# 1

Independent

# 2

The NOR instruction is not part of the RISC-V instruction set because the same functionality can be implemented using existing instructions. Write a short assembly code snippet that has the following functionality:  $s3 = s4 \text{ NOR } s5$ . Use as few instructions as possible.

```
1      or s3, s4, s5 # s3 = s4 OR s5
2      xori s3, s3, -1 # s3 = s3 XOR -1
```

## 3 Problem 2: Problem Title

### 3.1 Problem Description

Provide a description of the problem, including any relevant background information or context.

### 3.2 Solution

Present your RISC-V code solution for this problem, along with any necessary explanations or justifications.

```
; RISC-V code for Problem 2
...
```

## 4 Conclusion

Summarize your findings and any insights you gained while working on the assignment.