计算机系统设计

相对简单CPU设计报告

报告人: 张能

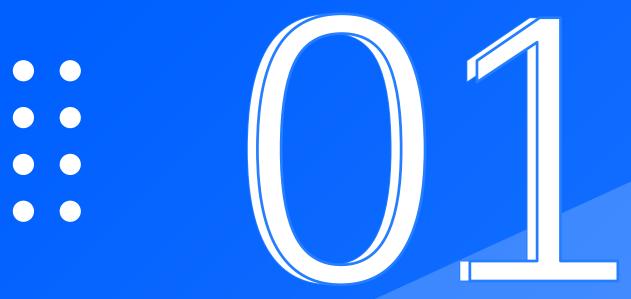
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目录 CONTENT

01 数据通路与指令状态划分

Α

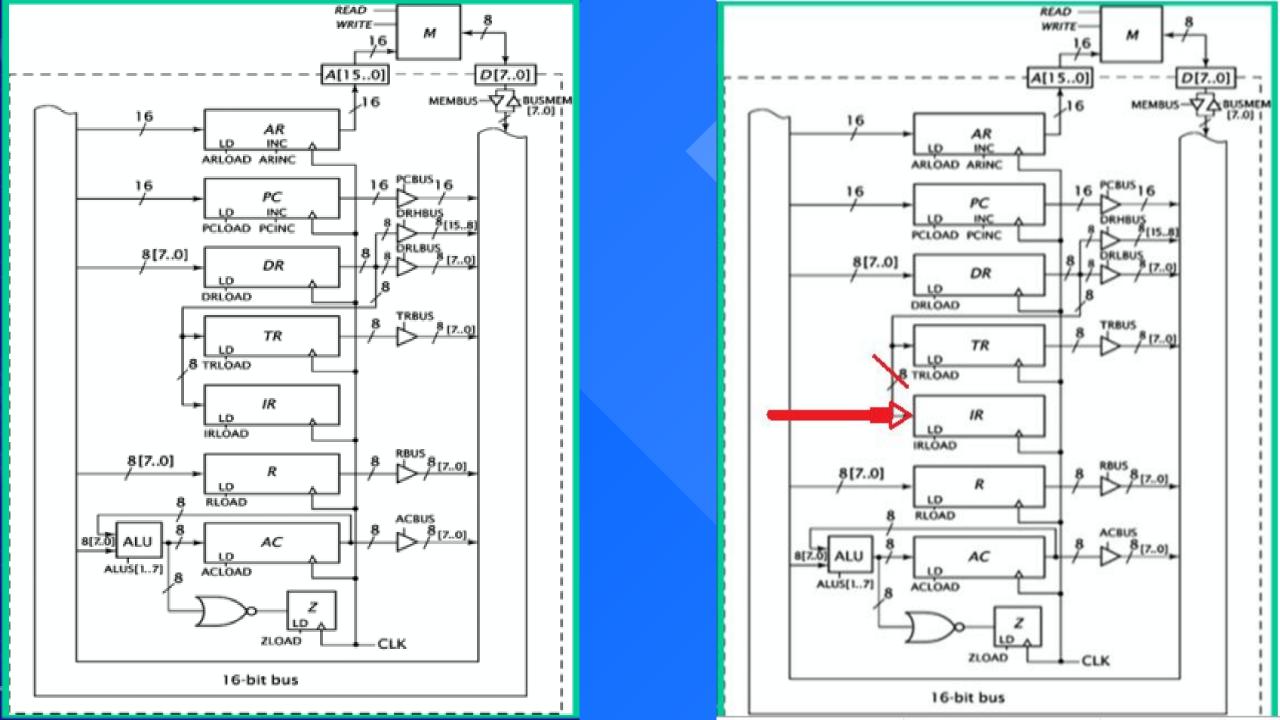
02 仿真结果与遇到的问题

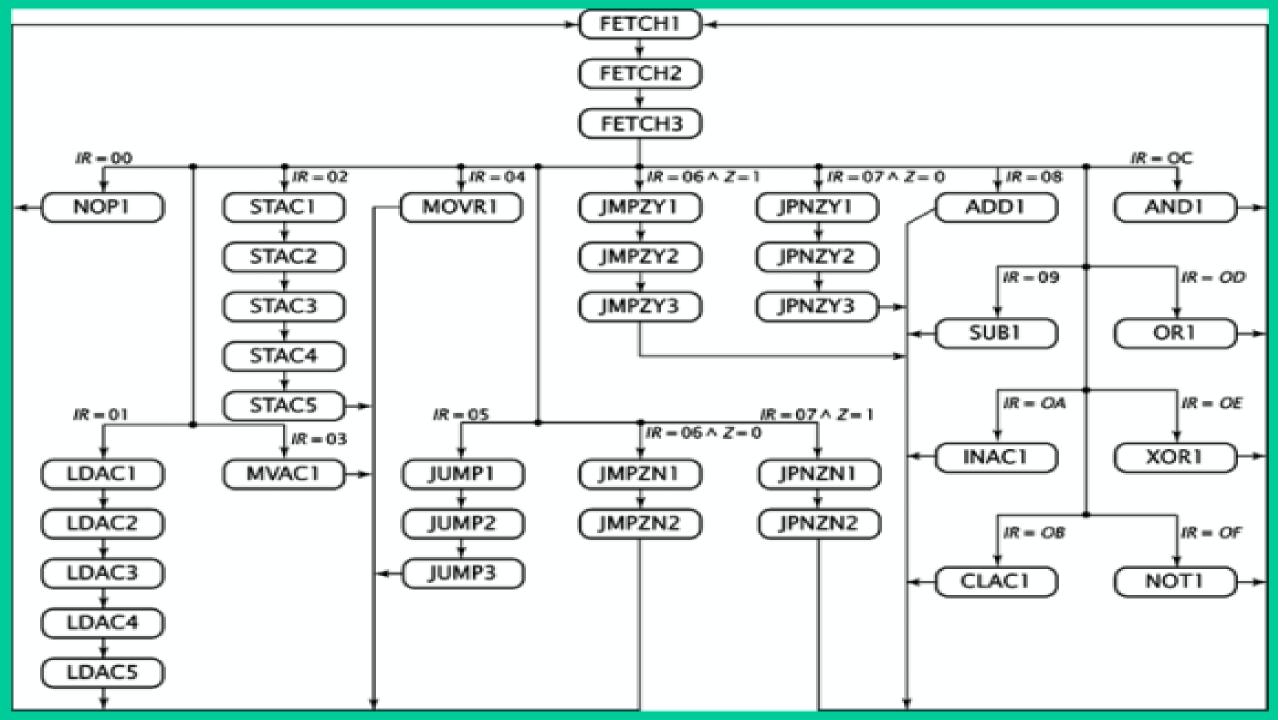


PART ONE

数据通路与指令状态划分







Fetch 1: AR <- PC

Fetch2: IR <- M, PC++

Fetch3: AR <- PC

Fetch 1: AR <- PC

Fetch2: DR <- M, PC++

Fetch3: IR <- DR,AR <- PC

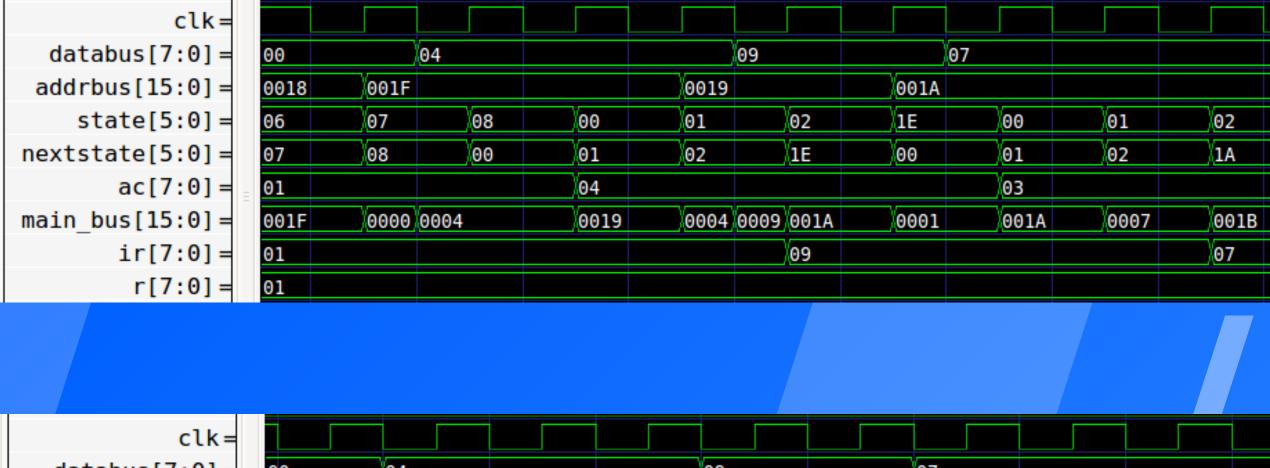


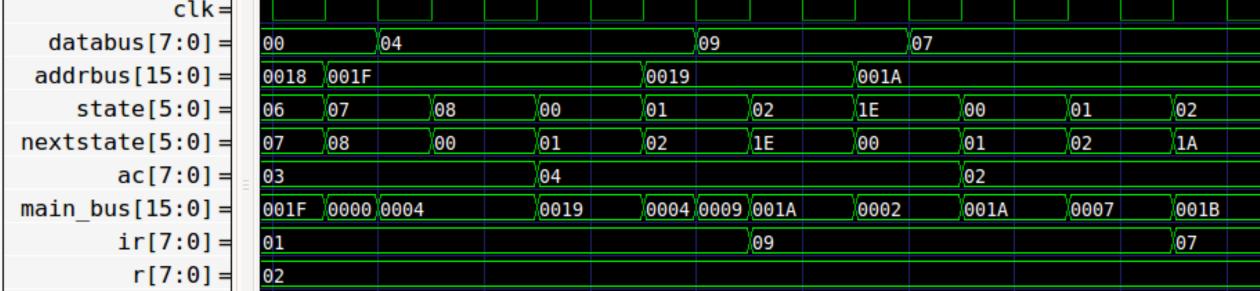


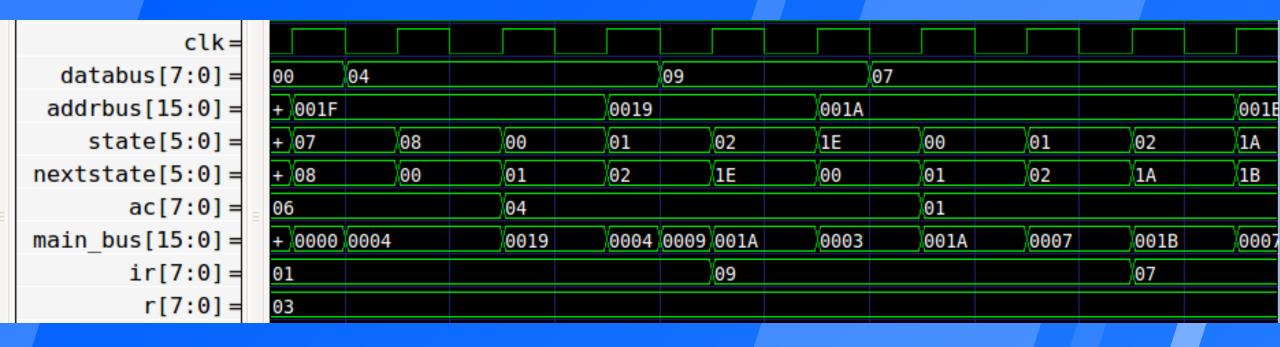
PART TWO

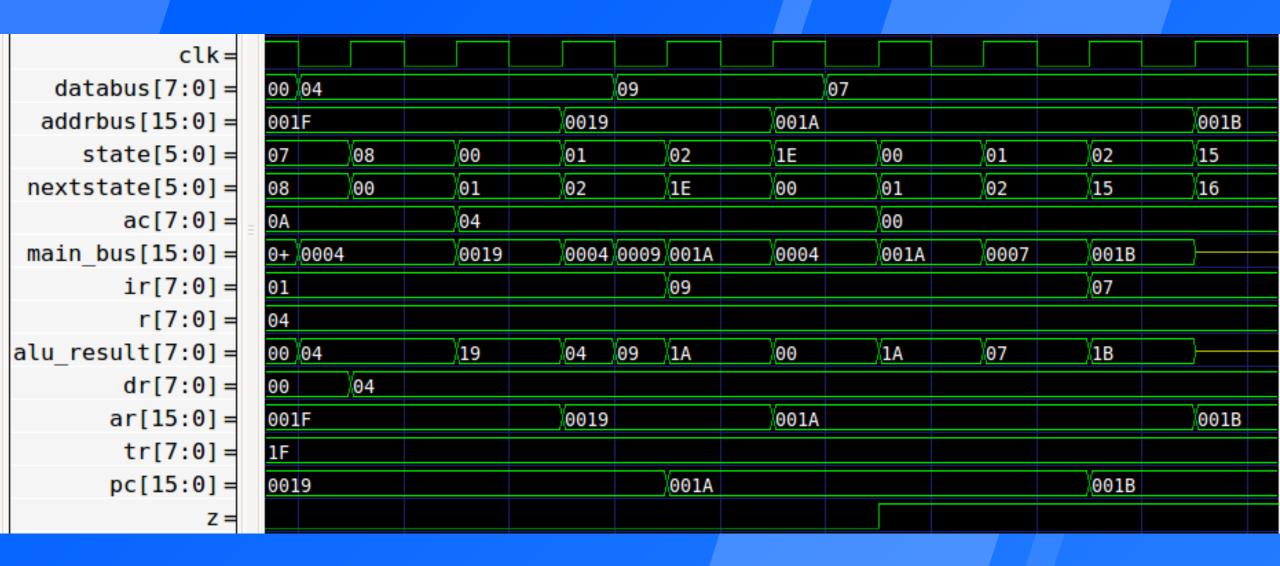
仿真结果与遇到的问题











```
user@ubuntuvm:~/Documents/winter2018/rscpu_M-ir$ ./rscomp --wave=simu07.ghw
../../../src/ieee/numeric_std-body.v93:2098:7:@50ns:(assertion warning): NUMERIC
_STD.TO_INTEGER: metavalue detected, returning 0
./rscomp:error: bound check failure at rsmem.vhd:81
./rscomp:error: simulation failed
```

TAHNKS