

SimpleScalar Lab Setup

CMPEN431 Fall 2017

Installation of SimpleScalar

SimpleScalar 3.0 is already installed on the linux x86-64 machines in CSE Lab 204. Our SimpleScalar is compiled for a PISA little-endian target ISA. All of our benchmarks are compiled for this ISA as well. You need to recompile it if you want to run it on your own machine.

To run the individual benchmarks follow the steps below.

Bzip2:

```
>cd bzip2  
  
> $SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg  
bzip2_base.i386-m32-gcc42-nn dryer.jpg
```

mcf:

```
>cd mcf  
  
>$SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg mcf_base.i386-m32-gcc42-nn  
inp.in
```

Hmmer:

```
>cd hmmer  
  
> $SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg hmmer_base.i386-m32-gcc42-nn  
bombesin.hmm
```

Sjeng:

```
>cd sjeng  
  
> $SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg sjeng_base.i386-m32-gcc42-nn  
test.txt
```

Milc:

```
>cd milc  
  
> $SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg milc_base.i386-m32-gcc42-nn <  
su3imp.in
```

Equake:

```
>cd equake
```

```
>$SIMPLESIM/simplesim-3.0/sim-outorder --config tmp.cfg equake_base.pisa_little < inp.in >  
inp.out
```