

halt

0 0

Fetch:

Decade:

int Stot:





Fetch:

Decode:

Execute:

```
Memory:

Write bock:

if cond (CC, ifun), RTrB] ← valE

PC update:

PC ← valP

irmovq V, rB

3 0 F rB

V

Fetch:

icade: ifun ← M, TPC]
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icode: ifun = M, [PC]

(A:(B = M, [PC+1])

valC = [Mg[PC+2]]

valP = PC+10

Decade:

Execute: VOIE = 0+ VOIC

Memory:

Write Bock:

R[rB] + valc

PC update:

PC - VOIP



Fetch: peccode: Write Back: Write Back: icade: if $m \in m_A \lceil PC \rceil$ $valA \leftarrow P \lceil PA \rceil$ PC = update: $rA: rB \leftarrow m_A \lceil PC+1 \rceil$ $valB \leftarrow P \lceil PB \rceil$ $PC \leftarrow valP$ $valC \leftarrow m_B \lceil PC+2 \rceil$ $PC \leftarrow valP \leftarrow PC+10$ $valE \leftarrow valB + valC$

Memory:

MTVOIE] - VOIA

Fetch: Decode: Write Back:

icade: ifun = M, [PC] VOIB = p[rB] P[rA] = valM

TA: 18 - M, [PC+1] Execute: Pc update:

Val C ← M₈ [PC+2] Val E ← Val C+ Val B PC ← Val P

valP ← PC+10 Memory:

VaIM ← MITVOIE]

Y OPG rA, rB 6 fn rA rB

Fetch: Execute:

icode: ifun ← My[PC] ValE ← ValB OP ValA

rA: rB + M, TPC+1] Set CC (cnd, ifun)

ValP - PC+2 Memory:

Decade: Write bock:

valA ← 2TrA 2TrB] ← valE

ValB ← R[1B] PC Update

PC + VaiP

y jxx Dest 7 fn Dest

Fetch: Memory:

icode: ifun < M, [PC] Write Bock:

val C ← M8[PC+1] PC update:

valP ← PC+9 PC ← cnd? val C: valP

Decade:

Execute:

cnd ← (cc, ifun)

8 0

Dest

Fetch:

Memory

icode - - -

M [val E] - ValP

VOLP + PC+9

Write Back:

valc & MOTRC+1]

RIVISPIC VOIE

Decode:

PC update:

[gen:19 - Alov

PC - ValC

ValBE RETHISP]

Execute:

valet vala - 8

ret

9 0

F:

M:

icode: if un < M, [PC]

valm = M8[val B]

valP ← PC+1

WB:

 \mathcal{D} :

PI:1.15p] = ValE

VOIA = DIVISP]

PC:

ValBE RIVISA)

PC = WIM

巨;

VOIEE VOIA+8

pushq rA

A 0 rA F

F:

E: VOIE - VOIB-8

icade: ifun e M, [PC]

ALOV - [FLOY]&M:M

TA: (BE MITPC+1)

WB: PITISP) - VOIE

VOIP & PCFL

PC: PC = valt

 \mathcal{D} ;

[AITS = ALOV

CARTS > BLOS

popq rA

B 0 rA F

F:

W:

icade: ifun < M, [PC]

valm < M8[val8]

ra: IBE M, TACHO

WB'

valP + PC+2

elrsp] = vale

D:

PT(A) = ValM

ValB = elisp]

PC:

も:

PC = ValP

Vale + val8+8