laft to right by space

lower

· define vari macro X= 123 X · specify location . A current address labels text translation (binary) 1 2 0xC 00000000 2AOC 02 01 06 101010 78 78 00000004 04 03 62 01 8000000 X=123 macro 0 000000000 OF . = 0x8 1 2 3 4 .=.+3 labt align - to next word If some addr skilled, filled with O. The default start o Allow expressions t, -, *, 1, %, «, >> text translation 1 2 3+3 IE 06 02 5x6 04 R0=0 R1=1 (R31=31) -> special register, constant o, talk in beta

-2
RISCC2

fore	ction macros
٠	macro WORD(X) X % 256 (X/256) % 256
M	acro translation translate
W	ord (345) \Leftrightarrow translate \Rightarrow 1
*	macro Long(x) word(x) word(x>>16)
M	acro translation translation
L	ONG (345) WORD (345) WORD (0) (39 100 (30000) 01/59
	32 size,
	macro betaop (OP, RA, RB, RC)
	LONG ((0PCC26)+ (R(CC21)+ (RACC16)+(RBCC11))
	OP RC RA RB 31 2625 2170 1615 1110 0
•	PD .
à	macro betaope (DP, RA, RE, RE)
	LONG ((0P << 26) + (P(<<21) + (PA<<(6) + (CC% OX 0000))
	81 26 25 2120 16 15 0
A	ADDC LD. ST JMP
٠	macro betabr (OP, RA, R(,(c)
	beta op ((OP, RA, ((((-(.+4))>>2), RC)
	· · · · · · · · · · · · · · · · · · ·

((in betaopc
$$X$$
 why? $X=(C(-(PC44))>>2$ $C(=PC44+4*X)$ (LABEL) of Jump.

. Macro ADD (RA, RB, RC) betaop (0x70, RA, RB, RC)

10000	RA	RAI	RB	0	
1.0000					

· macro LD (RA, CC, RC) betaopc (OX18, RA, CC, RC)

. macro ST (RC, CC, RA) betaop (Ox19, RA, CC, RC)

. Macro BEQ (RA, LABEL, RC) betabr (OXID, RA, RC, LABEL)

all the instructions now can write.

. Extending the functionality

. macro MovE (RA, RC) ADD (RA, RSI, RC)

. Macro CMOVE ((C, RC) ADD((R31, C, RC)

· Macro BF (RA, LABEL, RC) BEQ (RA, LABEL, RC)
false

. Macro BT (RA, LABEL, RL) BNE (RA, LABEL, RL)

· macro BR (LABEL, RC) BEQ(RSI, LABEL, RC)

· Macro LD (CC, RC)

. macro ST (RC, Cc)

. Macro Com (RA, RC) XORC (RA, -1, RC)

. Macro NEG (RA, RC) SUB (R31, RA, RC)

. macro NOP() ADD(R31, R31, R31)

HALT --> LONG (0)

ADD 35,99

LD (X, R1)

LD (Y, R2)

ADD (R1, R2, R0)

ST (R0, Z)

HALT

X:
LONG (35)

y:
LONG (99)

Z:
LONG (0)

LD	
LD	
LO AOD	
ST	
0	
35	
99	
0	