		Test Cases	
Instruction	Assembly Code	Expected Result	Test Condition
MOV AL r0,#1	4001		Tests register
ADD AL r1,r0	0110		dependence on
SYS AL	9800	r1 = 1	Op2 register
MOV AL r0,#4	4004		Tests register
ADD AL r0,r1	0101		dependence on
SYS AL	9800	r0 = 4	Rd register
			Tests condition
			code dependence
MUL S r0,#0	4a00		& register
MOV EQ r1,#1	4411		dependence with
ADD AL r1,r0	0110		a buffer
SYS AL	9800	r1 = 1	instruction
313 AL	3000	11-1	instruction
			Tests condition
MOV S r0,#0	4200		code dependence
MOV NE r1,#2	4612		(with CC not
MOV AL r1,#4	4014		being met) &
MOV AL r0,r1	4101		register
SYS AL	9800	r0 = 4	dependence
MOV AL r0,#2	4002		
MOV AL r1,#5	4015		Tests condition
MOV S r2,#0	4220		code (with CC
MUL EQ r0,r1	4d01		being met) and
MOV AL r2,r0	4120		tests the MUL
SYS AL	9800	r2 = 10	operation
MOV AL r0,#5	4005		·
MOV AL r1,#1	4011		
STR AL r0,[r1]	7901		
LDR AL r2,[r1]	3921		Tests memory
SYS AL	9800	r2 = 5	dependence
MOV AL r0,#6	4006		·
MOV AL r1,#1	4011		Tests memory
MOV S r2,#0	4220		dependence in
STR EQ r0,[r1]	7d01		tandem with
LDR AL r3,[r1]	3931		conditional
SYS AL	9800	r3 = 6	execution

ADD AL r0, #6	70006		1
ADD AL r1, #1	0011		
MOV AL r15, #6	40f6		
SYS AL	9800		
SYS AL	9800		
SYS AL	9800		
ADD AL r1, r0	0110		
ADD AL r0, #5	0005		
ADD AL r0, #6	0006		
ADD AL r0, #5	0005		
ADD AL r1, r0	0110	r0=22; r1=29	Jumps
7.557.127.15			· · · · · · · ·
DDE AL #4	.004		
PRE AL #1	c001		
PRE AL #2	c002		T DDEL L
ADD AL r0, #1	0001		Two PRE's in a
SYS AL	9800	r0=33	row
TOF AL r0,#6	3006		
ITOF AL r1,#0	3010	reg0 = 4'x40c0	
ITOF AL r2,#-3	302d	reg1 = 4'x0	
ITOF AL r3,#-7	3039	reg2 = 4'xc040	
SYS AL	9800	reg3 = 4'c0e0	Basic ITOF
	c002		
	300a		
ITOF AL r0,#42	cff8		
ITOF AL r1,#-117	301b	reg0 = 0x4228	
SYS AL	9800	reg1 = 0xc2ea	Large # ITOF
ITOF AL r0,#6	3006		
MOV AL r1, #0	4010		
FTOI AL r2, r0	2920	reg0 = 4'x40c0	
SYS AL	9800	reg2 = 4'x0006	Basic FTOI
	cff8		
ITOF AL r0,#-117	300b		
MOV AL r1, #0	4010		
FTOI AL r2, r0	2920	reg0 = 4'xc2ea	Negative and
SYS AL	9800	reg2 = 4'xff8b	Large FTOI
ITOF AL r0,#5	3005		
ITOF AL r1, #6	3016		
MULF AL r0, r1	5101	reg0 = 16'b0100000111110000	
FTOI AL r2, r0	2920	reg1 = 16'b0100000111110000	
SYS AL	9800	reg2 = 16'b000000000011110	Rasic MIII E
313 AL	12000	liegs - to propopopopopotitio	Basic MULF

	_		
	cfff		
ITOF AL r0,#-10	3006		
ITOF AL r1,#7	3017		
MULF AL r0, r1	5101	reg0 = 16'b1100001010001100	MULF on a
FTOI AL r2, r0	2920	reg1 = 16'b0100000011100000	Positive and
SYS AL	9800	reg2 = 16'b1111111110111010	Negative Float
	cffe		
	300b		
ITOF AL r0,#-21	cffe		
ITOF AL r1,#-20	301c		
MULF AL r0, r1	5101	reg0 = 16'b0100001111010010	MULF on Two
FTOI AL r2, r0	2920	reg1 = 16'b1100000110100000	Large Negative
SYS AL	9800	reg2 = 16'b0000000110100100	Values
ITOF A1 *0 #F	3005		
ITOF AL r0,#5			
RECF AL r1,r0	6910	reg0 = 16'b0100000010100000	
SYS AL	9800	reg1 = 16'b0011101101001100	RECF
	cffc		
ITOF AL r1, #-50	301e		
FTOI AL r0, r1	2901	reg0 = 16'b1111111111001110	
SYS AL	9800	reg1 = 16'b1100001001001000	FTOI on -50

yes yes
yes
yes
yes
yes

yes		
yes		
yes		
yes		
yes		
yes		
yes		

yes	yes

does not match up with precise reciprocal value

no; reg0[14] turns out to be equal to 0 instead of 1