Instruction	Address	Bran chin g Infor	z	PC <- PC + 1	PC <- DRTR	AR <- PC	AR <- DRTR	AR <- AR +1	DR <- M	DRTR <- AC	DR <- TR	IR <- DR	TR <- DR	AC <- DR	AC <- 0	AC <- AC * 2	<- AC + R[R1]	<- AC * R[R1]	- AC (+) R[R1]	<- AC / R[R1]	<- AC % R[R1]	sel <- DR[3:0]	_sel <- DR[4:0]	_sel <- DR[4:0]	_sel <- 01111	_sel <- DR[3:0]	bus <- Ac	Write	Read	IR write en	AR write en	AC write en	PC write en	DR write en		WTR en CoreID Read en
FFTCU 1	alaaaaa	on				1			0		0	0	0	0	0		AC	AC	AC <-	AC	AC	SC SC	WTA	WTR	WTR	RESET	Α	0	1		4					
FETCH_1	0 000000	0	Х	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0		0 0
FETCH_2	1 000001	0	Х	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
FETCH_3	2 000010	1	Х	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0		0 0
NOP_1	3 000011	0	Х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
RESET_1	4 000100	0	Х	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
RESET_2	5 000101	0	Х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
LDAC_1	6 000110	0	Х		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
LDAC_2	7 000111	0	X	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0		0 0
LDAC_3	8 001000	0	X	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
LDAC_4	9 001001	0	X	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		0 0
LDAC_5	10 001010	0	Х	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0		0 0
LDAC_6	11 001011	0	Х	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0		0 0
STAC_1	12 001100	0	Х	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
STAC_2	13 001101	0	X	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		0 0
STAC_4	14 001110	0	X		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			0		0 0
STAC_4	15 001111	0	Х	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		0 0
STAC_5	16 010000	0	X	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1		0 0
STAC_7	17 010001	0	X	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0 0
STAC_7 MOVETOAC_1	18 010010 19 010011	0	X	0	0		0	0	0	0	1 0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0	0	0	1		0 0
MOVETOAC_1 MOVETOAC_2	20 010100	0	X	0	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
MOVEAC_2	22 010100	0	X X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0		0 0
MOVEAC_2	23 010111	0	X	1	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0		1 0
CLAC_1	24 011000	0			0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
JUMP_1	25 011000	0	X X	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
JUMP_2	26 011001	0	x	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0			0 0
JUMP_3	27 011011	0	X	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	o l	0	0	0	0	o l	0	0	0	0	0	0	0	0	0	0		0 0
JUMP_4	28 011100	0	X	0	1	0		0	0	0	0	0	0	0	0	0	0	0	o l	0	0	0	0	o l	0	0	0	0	1	0	0	0	1	0		0 0
JUMPZY_1	29 011101	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
JUMPZY_2	30 011101	0	X	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0		0 0
JUMPZY_3	31 011111	0	x	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	o l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
JUMPZY_4	32 100000	0	X	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	o l	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0		0 0
JUMPZN_1	33 100001	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ő	0	0	0	0	0	0	0	0	0	0		0 0
JUMPZN_2	34 100010	0	X	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
INC_1	35 100011	0	X	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
INC_1 INC_2	36 100110	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		0 0
ADD_1	37 100101	0	X	0	0		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
ADD_1 ADD_2	38 100101	0	X	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		0 0
ADD_3	39 100111	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
MUL_1	40 101000	0	X	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
MUL_2	41 101001	0	X	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		0 0
MUL_3	42 101010		X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
XOR_1	43 101011	0	Y	0	0		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0
701-1	1 .5 101011		^		U			U		U	U	0	U	U	U	U	U		0	-	0	U	0	0	U	U	0	U	U	U	-	J	J	J	<u> </u>	

XOR_2	44 101100	0	Х	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOR_3	45 101101	0	х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIV_1	46 101110	0	х	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIV_2	47 101111	0	х	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIV_3	48 110000	0	х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOD_1	49 110001	0	х	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOD_2	50 110010	0	Х	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOD_3	51 110011	0	х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MULTWO_1	52 110100	0	Х	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MULTWO_2	53 110101	0	Х	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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