RAT MCU - Programmer's View

Program Control			Interrupt	I/O
BREQ	BRN	CLC	RETID	IN
BRNE		SEC	RETIE	OUT
BRCS	CALL		SEI	
BRCC	RET	WSP	CLI	

Logical	Arithmetic	SH & Rot		Storage
AND	ADD	LSL	ST	PUSH
OR	ADDC	LSR	LD	POP
EXOR	SUB	ROL		MOV
TEST	SUBC	ROR		
	CMP	ASR		

Register File			
r0	r8	r16	r24
r1	r9	r17	r25
r2	r10	r18	r26
r3	r11	r19	r27
r4	r12	r20	r28
r5	r13	r21	r29
r6	r14	r22	r30
r7	r15	r23	r31

Scratch Ram
0x00
0x01
0x02
. . .
0xFD
0xFE
0xFF

Stack Pointer

Program Counter

C C

Z Z