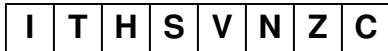


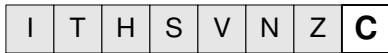
8-Bit AVR Conditional Branch Instructions

SREG – AVR Status Register



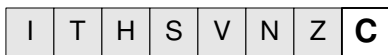
BRBC – Branch if Bit in SREG is Cleared

BRBS – Branch if Bit in SREG is Set



BRCC – Branch if Carry Cleared

BRCS – Branch if Carry Set



BRSH – Branch if Same or Higher (Unsigned)

BRLO – Branch if Lower (Unsigned)



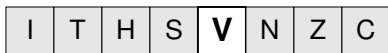
BRNE – Branch if Not Equal

BREQ – Branch if Equal



BRPL – Branch if Plus

BRMI – Branch if Minus



BRVC – Branch if Overflow Cleared

BRVS – Branch if Overflow Set



BRGE – Branch if Greater or Equal (Signed)

BRLT – Branch if Less Than (Signed)



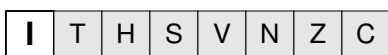
BRHC – Branch if Half Carry Flag is Cleared

BRHS – Branch if Half Carry Flag is Set



BRTC – Branch if the T Flag is Cleared

BRTS – Branch if the T Flag is Set

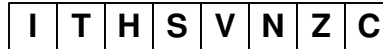


BRID – Branch if Global Interrupt is Disabled

BRIE – Branch if Global Interrupt is Enabled

8-Bit AVR Conditional Branch Instructions

SREG – AVR Status Register



BRBC – Branch if Bit in SREG is Cleared

BRBS – Branch if Bit in SREG is Set



BRCC – Branch if Carry Cleared

BRCS – Branch if Carry Set



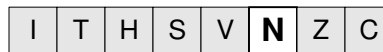
BRSH – Branch if Same or Higher (Unsigned)

BRLO – Branch if Lower (Unsigned)



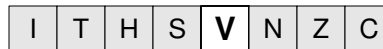
BRNE – Branch if Not Equal

BREQ – Branch if Equal



BRPL – Branch if Plus

BRMI – Branch if Minus



BRVC – Branch if Overflow Cleared

BRVS – Branch if Overflow Set



BRGE – Branch if Greater or Equal (Signed)

BRLT – Branch if Less Than (Signed)



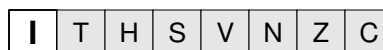
BRHC – Branch if Half Carry Flag is Cleared

BRHS – Branch if Half Carry Flag is Set



BRTC – Branch if the T Flag is Cleared

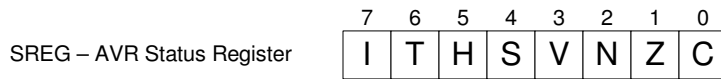
BRTS – Branch if the T Flag is Set



BRID – Branch if Global Interrupt is Disabled

BRIE – Branch if Global Interrupt is Enabled

8-Bit AVR Conditional Branch Instructions



BRBC	1111	01kk	kkkk	ksss		BRBS	1111	00kk	kkkk	ksss	
BRCC	}	1111	01kk	kkkk	k000	BRCS	}	1111	00kk	kkkk	k000
BRSH						BRLO					
BRNE	1111	01kk	kkkk	k001		BREQ	1111	00kk	kkkk	k001	
BRPL	1111	01kk	kkkk	k010		BRMI	1111	00kk	kkkk	k010	
BRVC	1111	01kk	kkkk	k011		BRVS	1111	00kk	kkkk	k011	
BRGE	1111	01kk	kkkk	k100		BRLT	1111	00kk	kkkk	k100	
BRHC	1111	01kk	kkkk	k101		BRHS	1111	00kk	kkkk	k101	
BRTC	1111	01kk	kkkk	k110		BRTS	1111	00kk	kkkk	k110	
BRID	1111	01kk	kkkk	k111		BRIE	1111	00kk	kkkk	k111	