

Jumping

■ jX Instructions

- Jump to different part of code depending on condition codes
- Takes address as argument

jX	Condition	Description
jmp	1	Unconditional
je	ZF	Equal / Zero
jne	\sim ZF	Not Equal / Not Zero
js	SF	Negative
jns	\sim SF	Nonnegative
jg	$\sim (SF \wedge OF) \ \& \ \sim ZF$	Greater (Signed)
jge	$\sim (SF \wedge OF)$	Greater or Equal (Signed)
jl	$(SF \wedge OF)$	Less (Signed)
jle	$(SF \wedge OF) \ \ ZF$	Less or Equal (Signed)
ja	$\sim CF \ \& \ \sim ZF$	Above (unsigned)
jb	CF	Below (unsigned)