(Un-) Conditional Branch Instructions

Branch Instruction	Condition Code Flag Evaluation	Description
B (or BAL)	don't care	unconditional (branch always)
BEQ	Z	equal
BNE	$\bar{Z}$	not equal
BCS / BHS	C	unsigned ≥
BCC / BLO	$\bar{C}$	unsigned <
BMI	N	negative
BPL	$\bar{N}$	positive or zero
BVS	V	overflow
BVC	$\bar{V}$	no overflow
BHI	$C\bar{Z}$	unsigned >
BLS	$\bar{C} + Z$	unsigned ≤
BGE	$NV + \bar{N}\bar{V}$	signed ≥
BLT	$N\bar{V} + \bar{N}V$	signed <
BGT	$\bar{Z}(NV + \bar{N}\bar{V})$	signed >
BLE	$Z + N\bar{V} + \bar{N}V$	signed ≤