

# HCL Operations

- Boolean Expressions

- Logic Operations

- $a \ \&\& \ b, a \ \|\| \ b, !a$

- Word Comparisons

- $A == B, A != B, A < B, A <= B, A >= B, A > B$

- Set Membership

- $A \text{ in } \{ B, C, D \}$

- Same as  $A == B \ \|\| \ A == C \ \|\| \ A == D$

- Word Expressions

- Case expressions

- $[ a : A; b : B; c : C ]$

- Evaluate test expressions  $a, b, c, \dots$  in sequence

- Return word expression  $A, B, C, \dots$  for first successful test

# Y86 Instruction Set

