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- Goal: Shrink the **semantic gap** (semanttinen kuilu) between high-level language and machine instruction set
 - Expressiveness of high-level languages had increased
 - Wanted "simple" compilations
 - Language structures match nicely with instructions
 - Lots of different instructions for different purposes
 - Lots of different data types (int, float, char, boolean, ...)
 - Lots of different addressing modes
 - Complex tasks performed in hardware by control unit (single instruction), not in the machine code level (multiple instructions)
 - Less instructions in one program (shorter code)
 - Efficient (just a few instructions) execution of complex tasks

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