

• Genealogy of High-Level Programming Languages

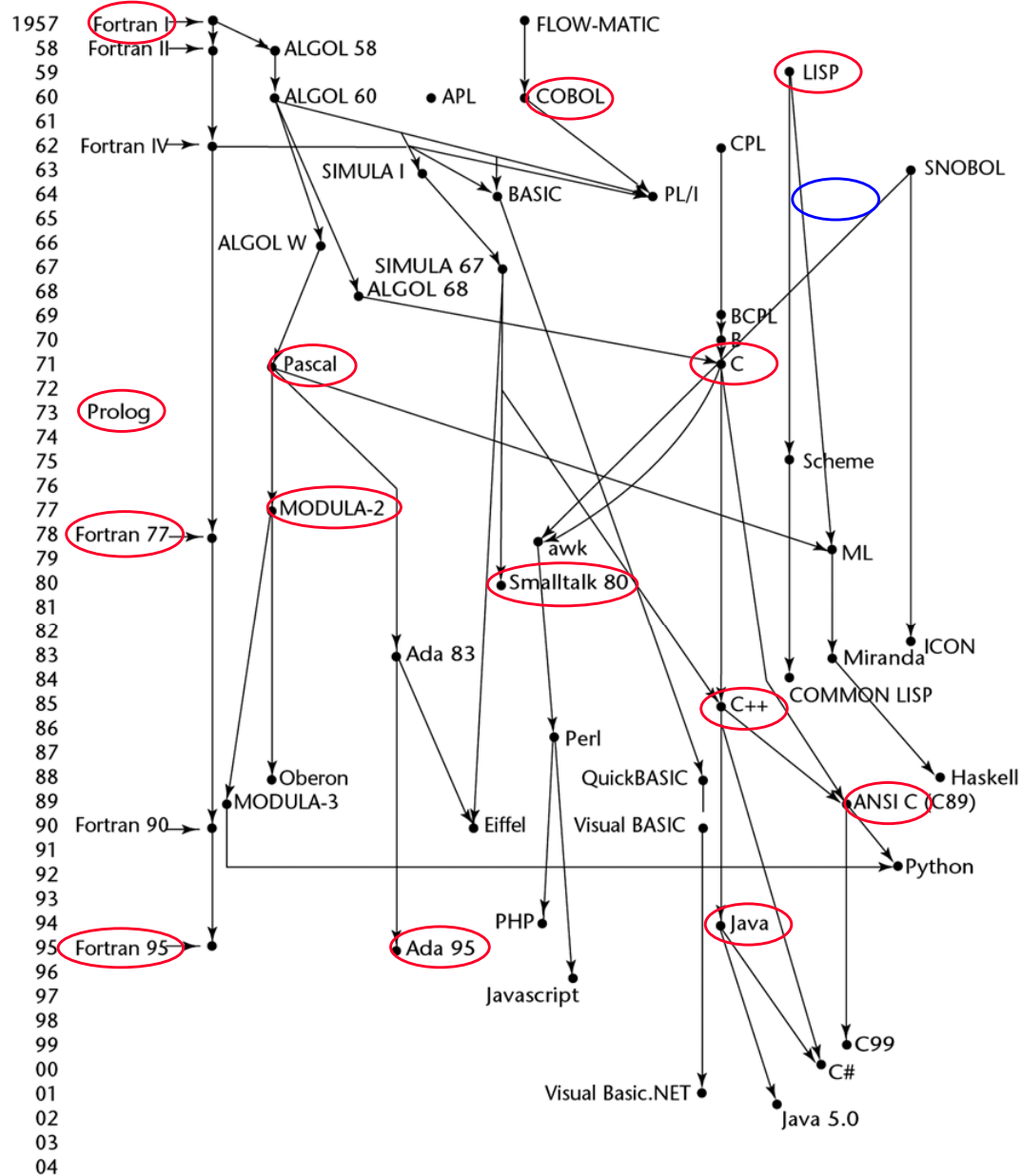


Figure 2.1 Genealogy of common high-level programming languages

**<Homework 1>
Solve the Problems
#7, #12, #14**

7. LISP began as a pure functional language but gradually acquired more and more imperative features. Why?

12. Describe, in your own words, the concept of orthogonality in programming language design.

14. What are the arguments both for and against the idea of a typeless language?