

Introduction to exercise 1A

CS-460: Programming Language

Robert Bruce

Deterministic Finite State Machine for C-style hex number

- How could we define a deterministic finite state machine for a C-style hex number?

Deterministic Finite State Machine for C-style hex number

- Hex numbers in the C programming language are preceded by the string “0x” (zero and an “x” bytes) or string “0X” (zero and “X” bytes).
- Valid hex digits are: {0, 1, 2, 3, 4, 5, 6, 7, 8, 9, a, b, c, d, e, f, A, B, C, D, E, F}
- Now let’s make a deterministic finite state machine to determine if some input string is a valid C-style hex number....

Finite State Machine for C-style hex number

