Understanding computers and cognition

CH7 computers and representation

7.1 programming as representation

程序是用来解决一个具体问题的

Success in programming depends on designing a representation and set of operations that both veridical and effective.

7.2 levels of representation

Algorithms

1. The physical machine
2. The logical machine
3. The abstract machine
4. A high-level language
5. A representation scheme for ‘facts’

7.3 can computers do more than you tell them to do?

Breakdown

Resource use

Accidental representation