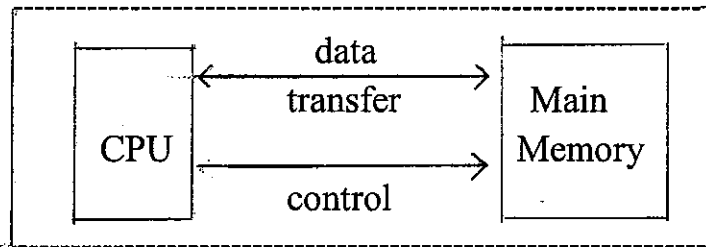
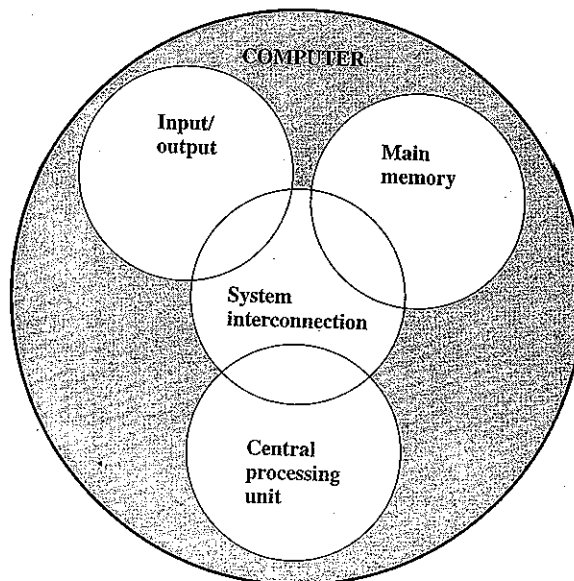


# 1. INTRODUCTION

- o A computer is a data processing machine which is operated automatically under the flow of a list of instructions (called a program) stored in its main memory.

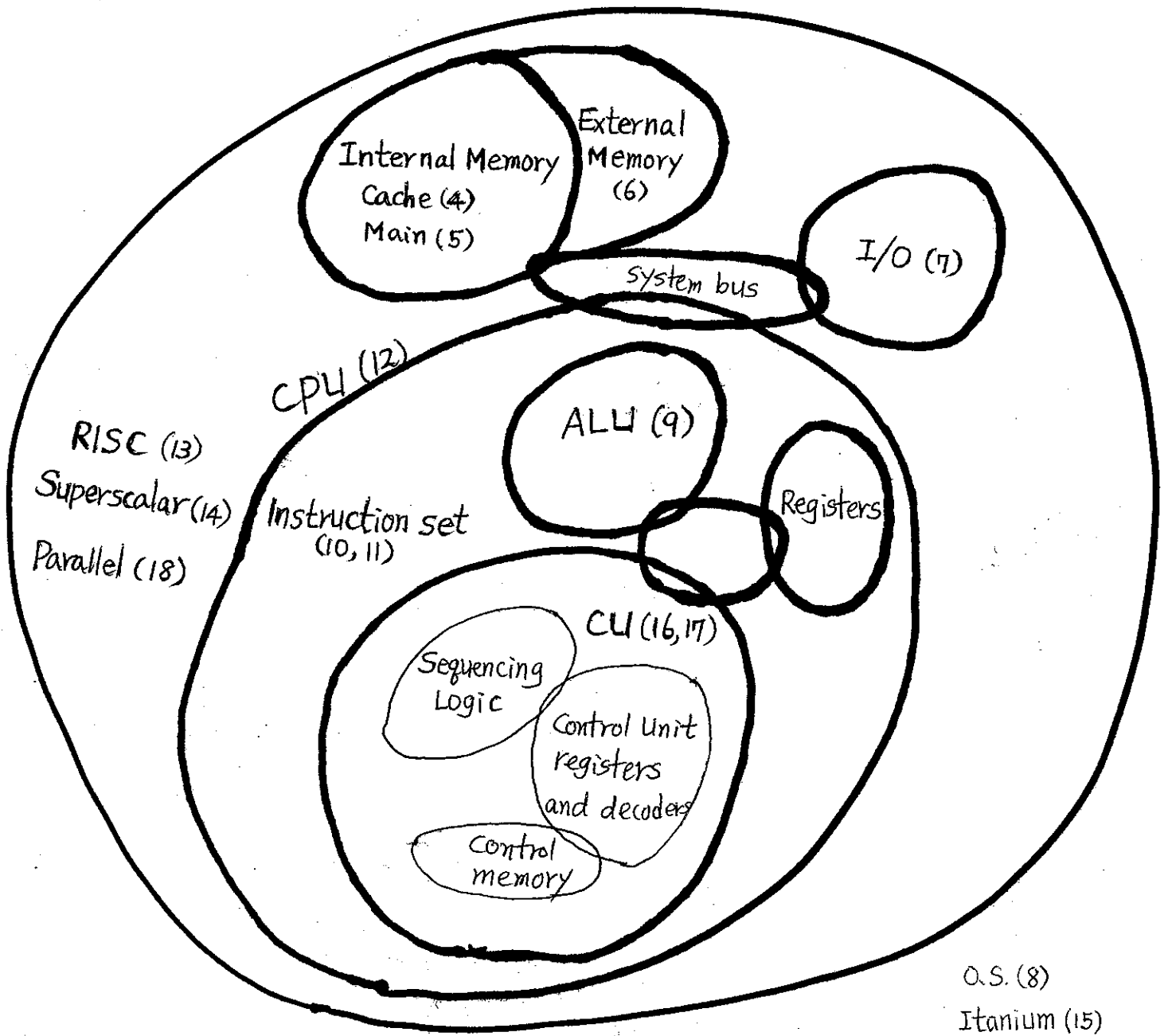


- o A computer system consists of a computer and its peripherals (I/O's)

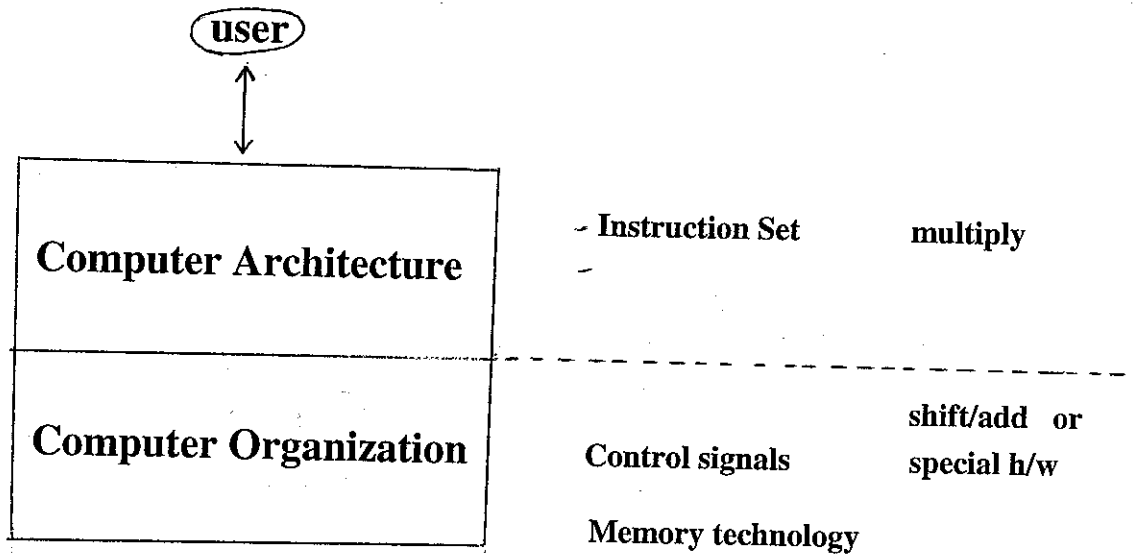


- hierarchical approach

structure  
function



◦ Architecture vs. Organization.



## Family concept

### IBM System 360 (370)

Model 30

Model 40

Model 50

Model 65

:

### DEC PDP-8, PDP-8/5, PDP-8/L..., PDP-9, PDP-11

Intel 4004, 8008, 8080, 8086, ..

80286, 386, 486, Pentium, Pentium II, ...

- Advantages

compatibility  
software investment protection