



What is System analysis ?



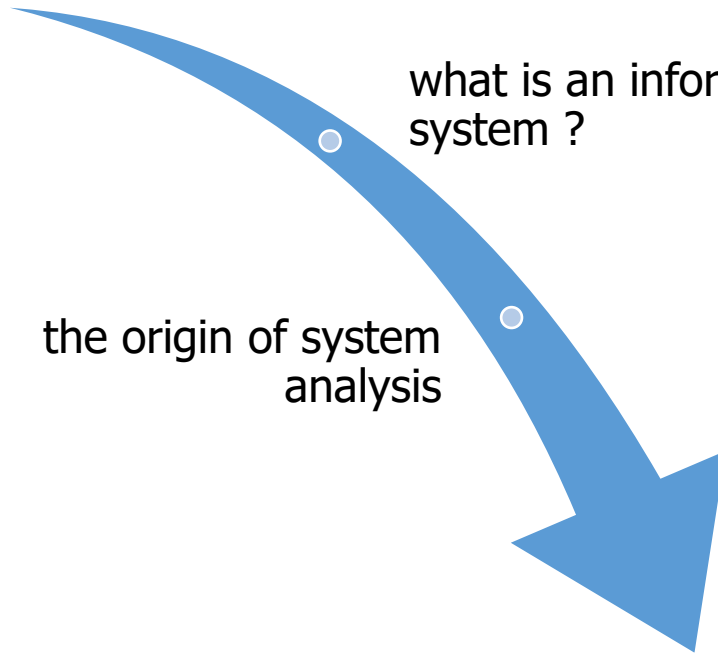
What is System analysis ?

**the importance
of information**

what is an information
system ?

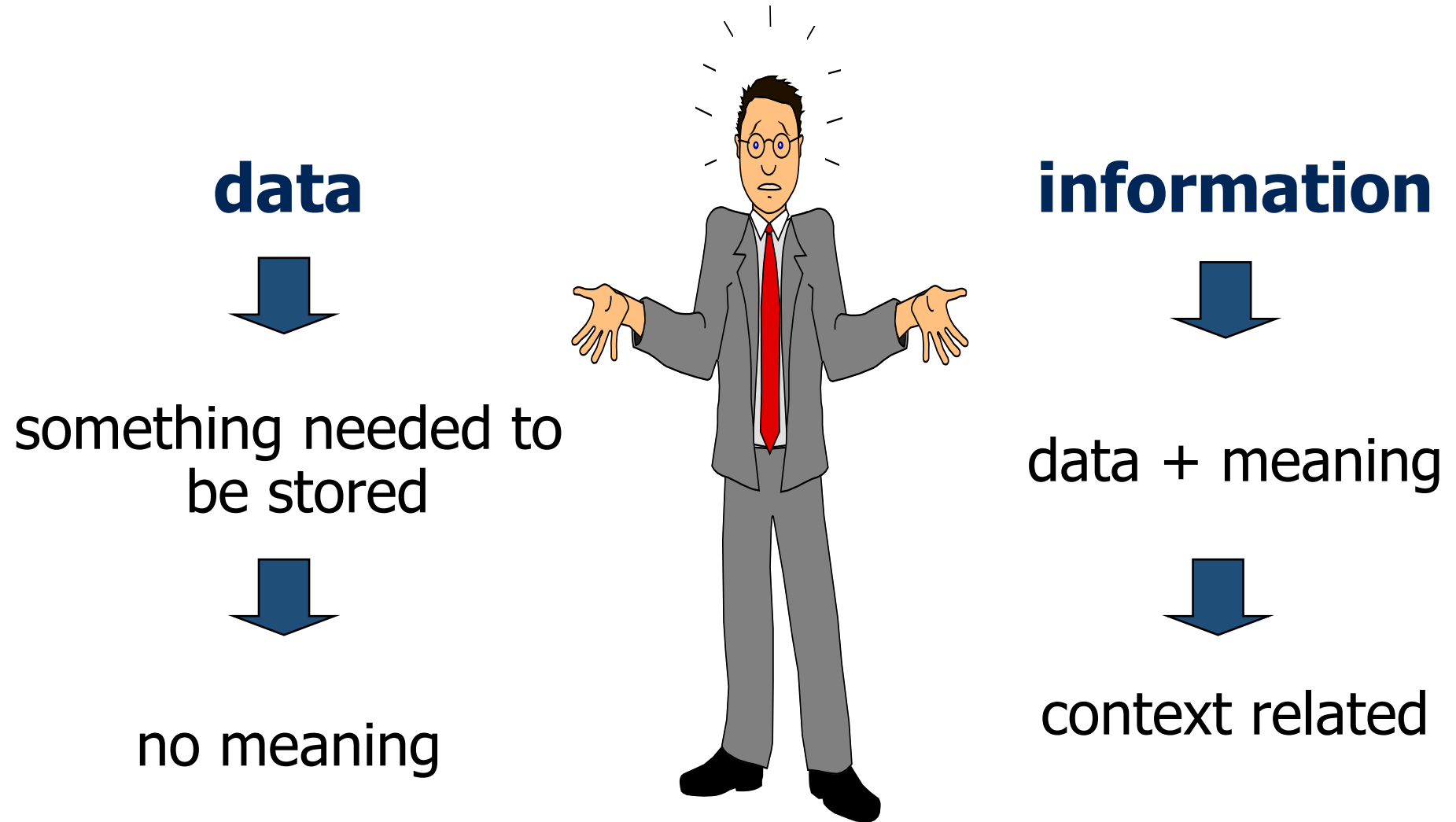
the origin of system
analysis

software development
lifecycle vs methodology





The importance of information





The importance of information

Correct information at the right location at the right moment



a good information system is needed !



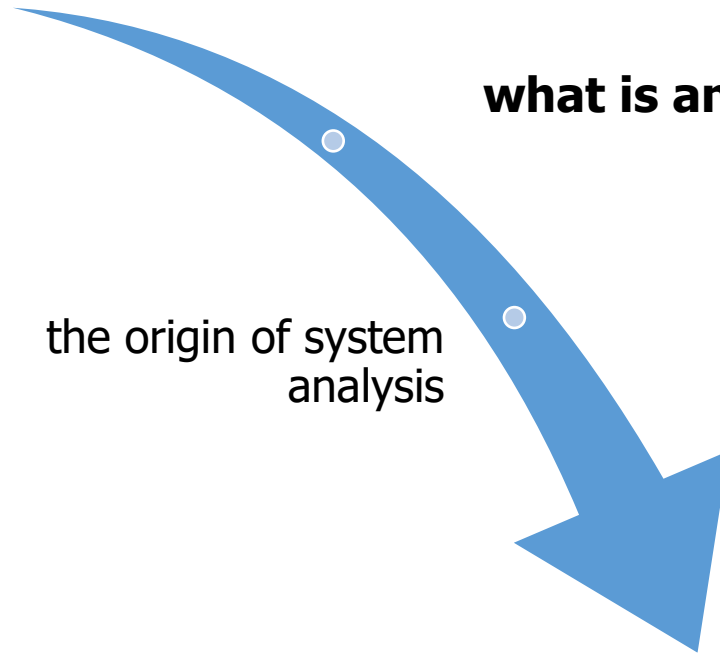
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What is an Information system ?

System

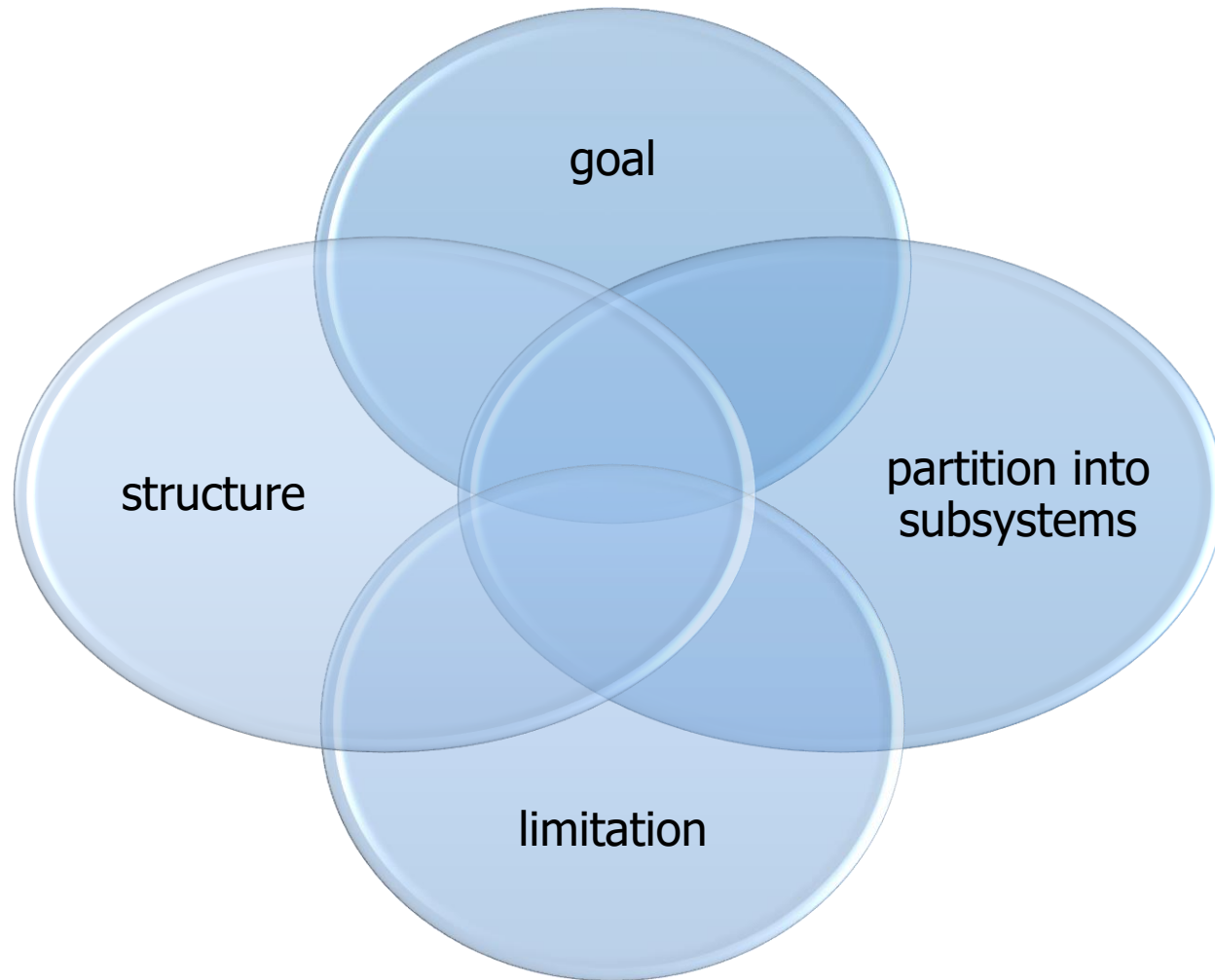
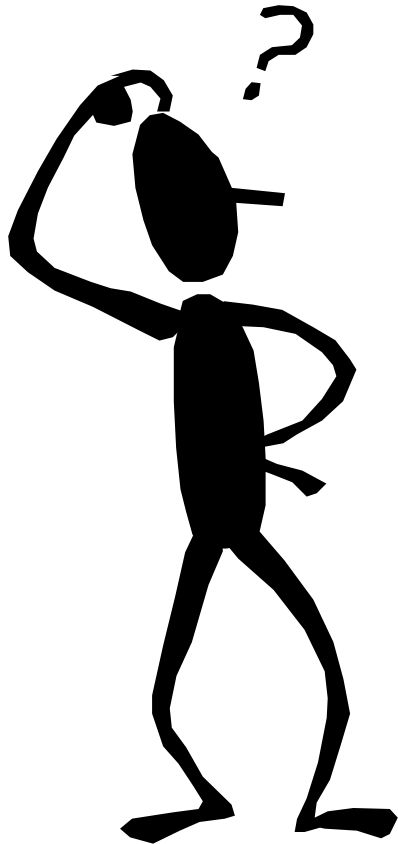
collection of interacting components, which are arranged according to a certain plan in order to achieve a particular goal

Information system

system that is responsible for collecting, managing, storing and processing of data and for providing information that is of value in forming judgments and to perform activities in the organization



Characteristics of a System





Requirements to define a good system

Maintainable

Adaptable

Transparent

User friendly

Reliable

Efficient





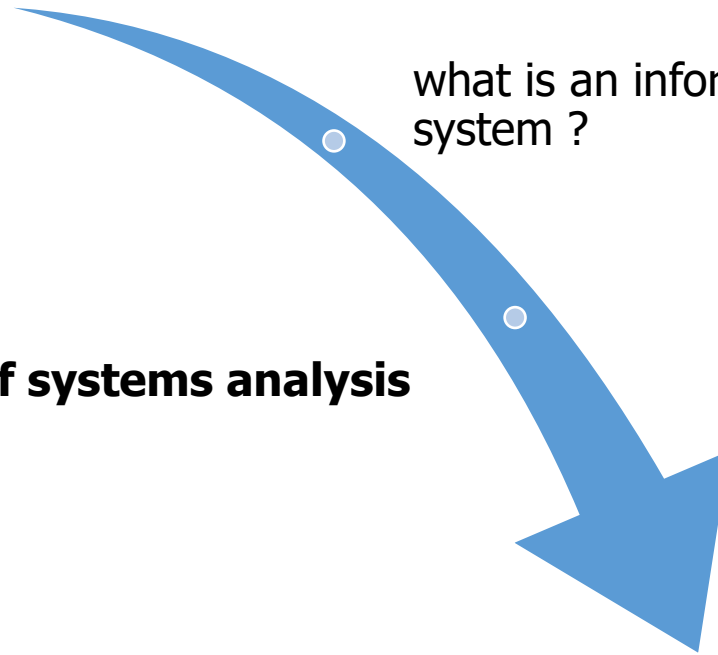
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Evolution in Systems analysis

until the sixties:
the bad programmer

- ✓ unstructured
- ✓ spaghetti-code
- ✓ no planning,
no management
- ✓ automatisatisation in islands



Problems

Systems do not apply to information needs

Information systems are rigid

Maintenance of existing systems



Information needs

Are created because of

- Problems
- Opportunities
- Regulations, new rules



Systems do not apply to information needs

Problems determining the information needs

- Communication gap
- Information needs change continuously

Data contamination

Information density

Bad communication

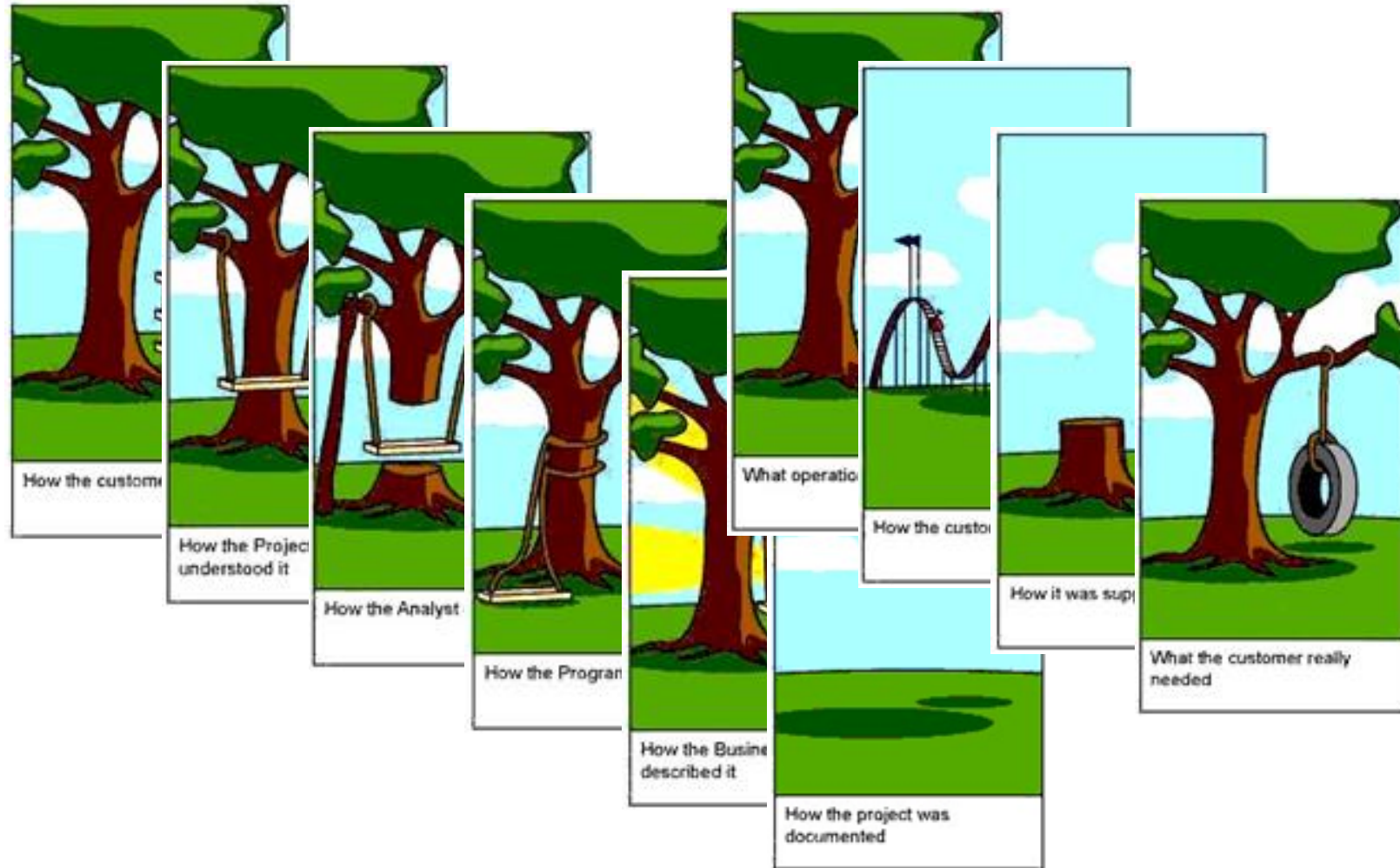


Information density





Bad communication





Rigidity of systems



not flexible adaptable

giant maintenance



Proportion maintenance - new

20 %

80 %

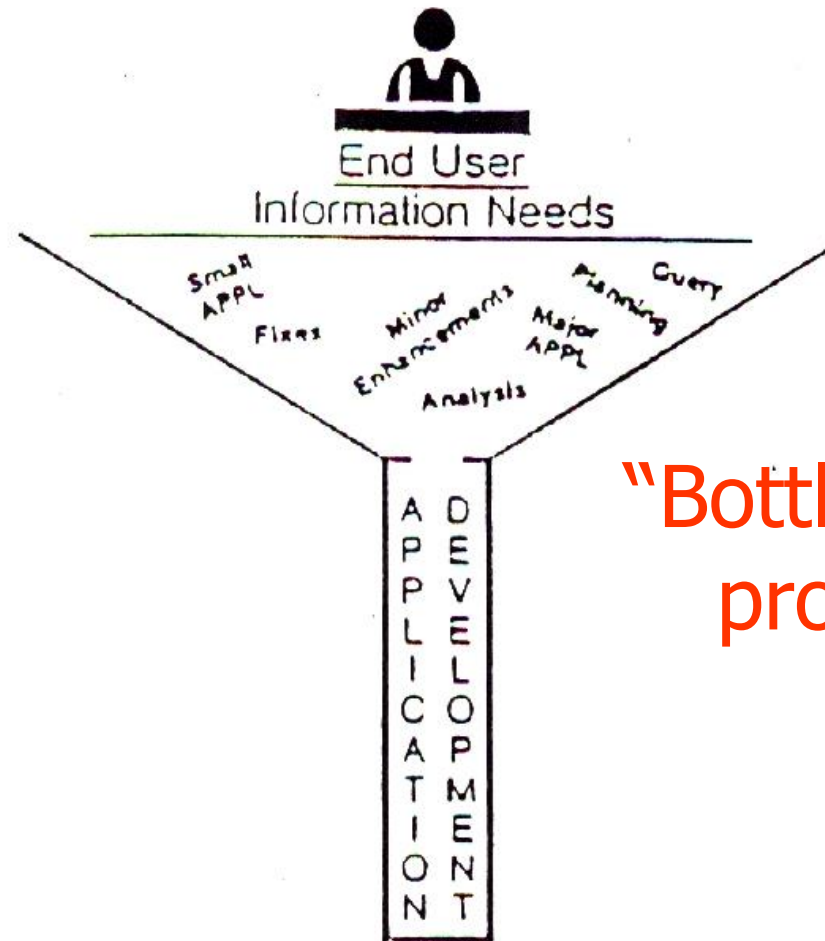




Maintenance boom



Gap between supply and delivery

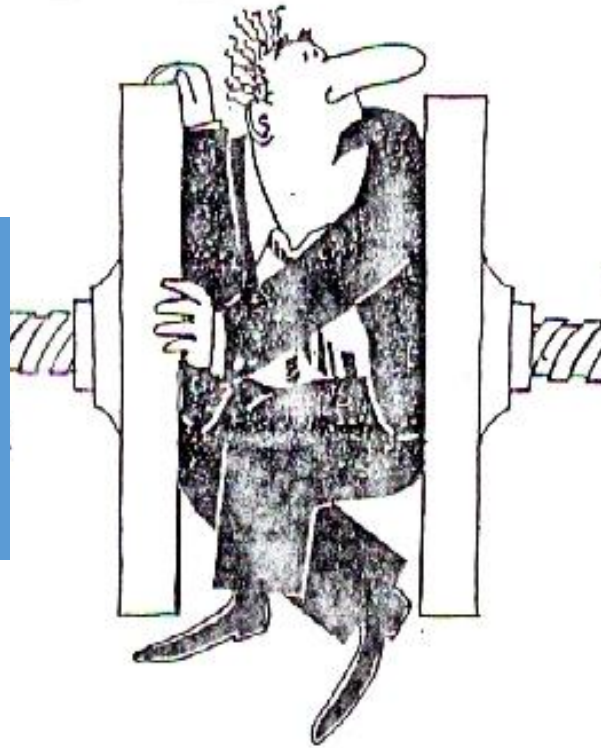


“Bottleneck”-
problem



Precarious position of the IT professional

Maintenance of
existing
applications
(legacy
software)



Raising demand
for new
applications



Software crisis

Importance of information systems development for entire company management

Increased awareness with respect to the impact of information systems

Increased use of application-, database- and systemsoftware



systems analysis