

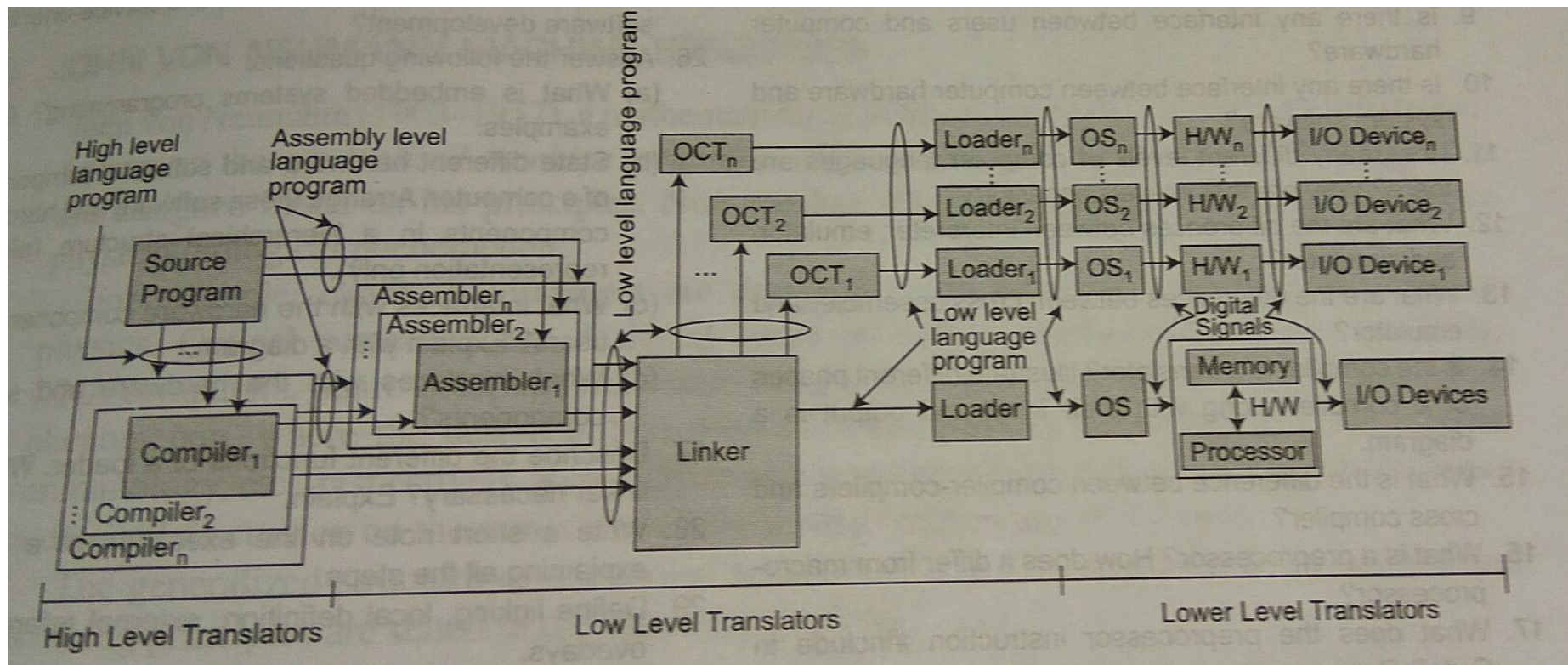
System Software: Interfaces Hierarchy & Trends

Software Hierarchy

High Level Translator

Low Level Translator

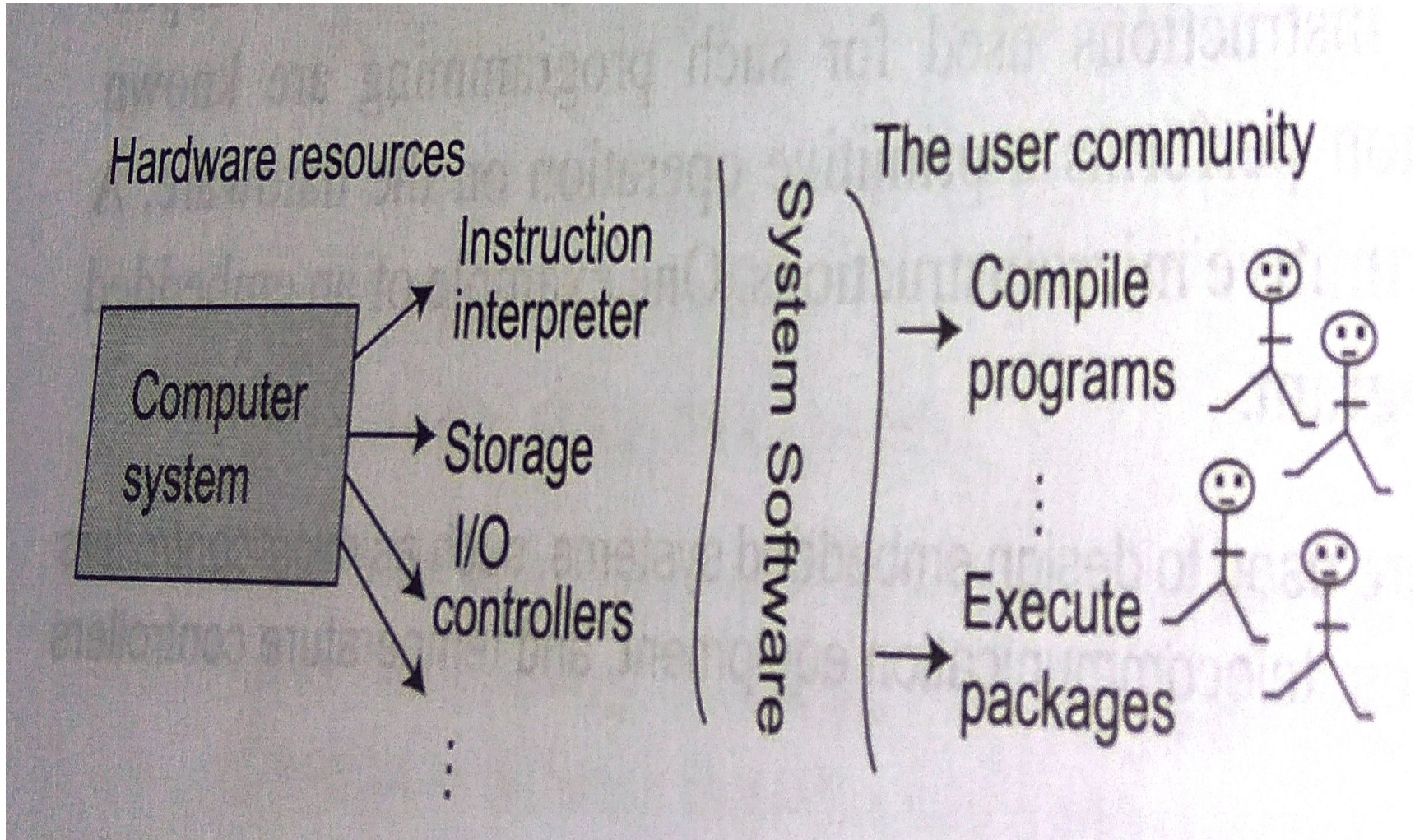
Highest Level Translator



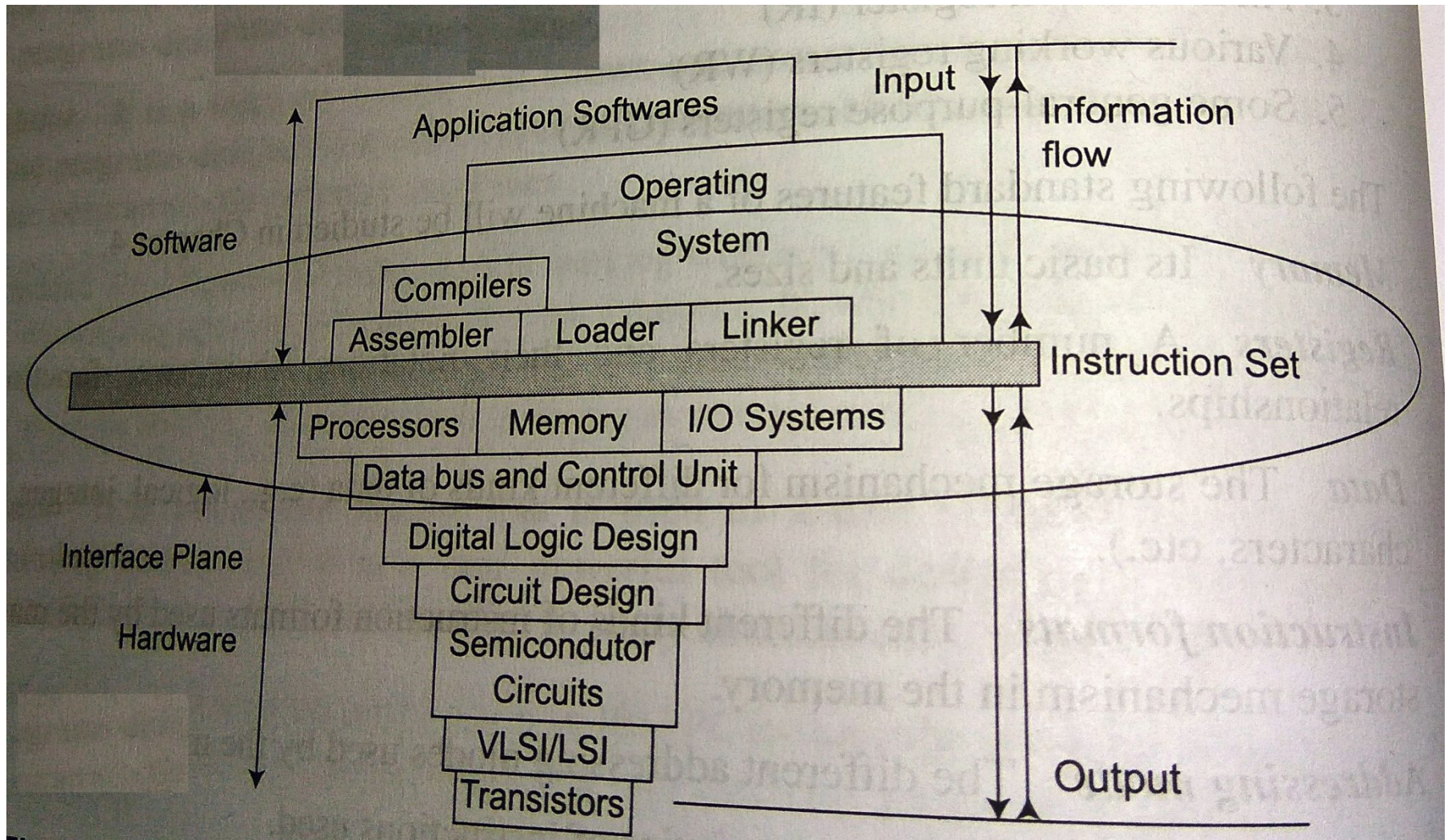
Interfaces

- ❑ **User's Interfaces :** A system of interaction between the hardware & the user is necessary to perform task.
- ❑ **System's Interfaces:** A mechanism for interaction between the Physical & Logical component that enables them to communicate with each other.

Interfaces : User's Interfaces



Interfaces (System's Interfaces)



Address Spaces

□ Logical Space

□ Physical Space

Features	Logical	Physical
Size	Start From) to the size of segments	May not start from 0
Appearance	Contiguous	Non Contiguous

Address Spaces

Virtual address space

Physical address space

0x00000000

0x00010000

text

0x10000000

data

stack

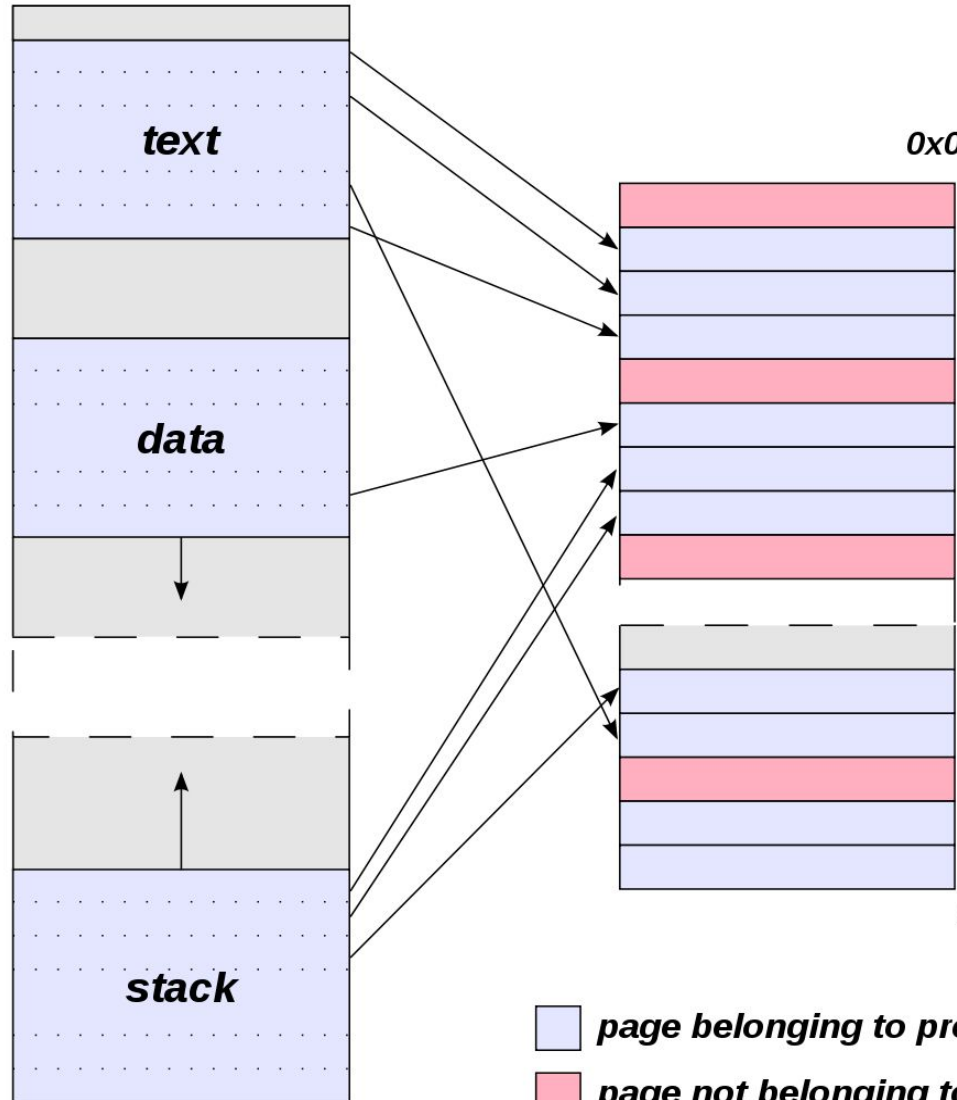
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0x00000000

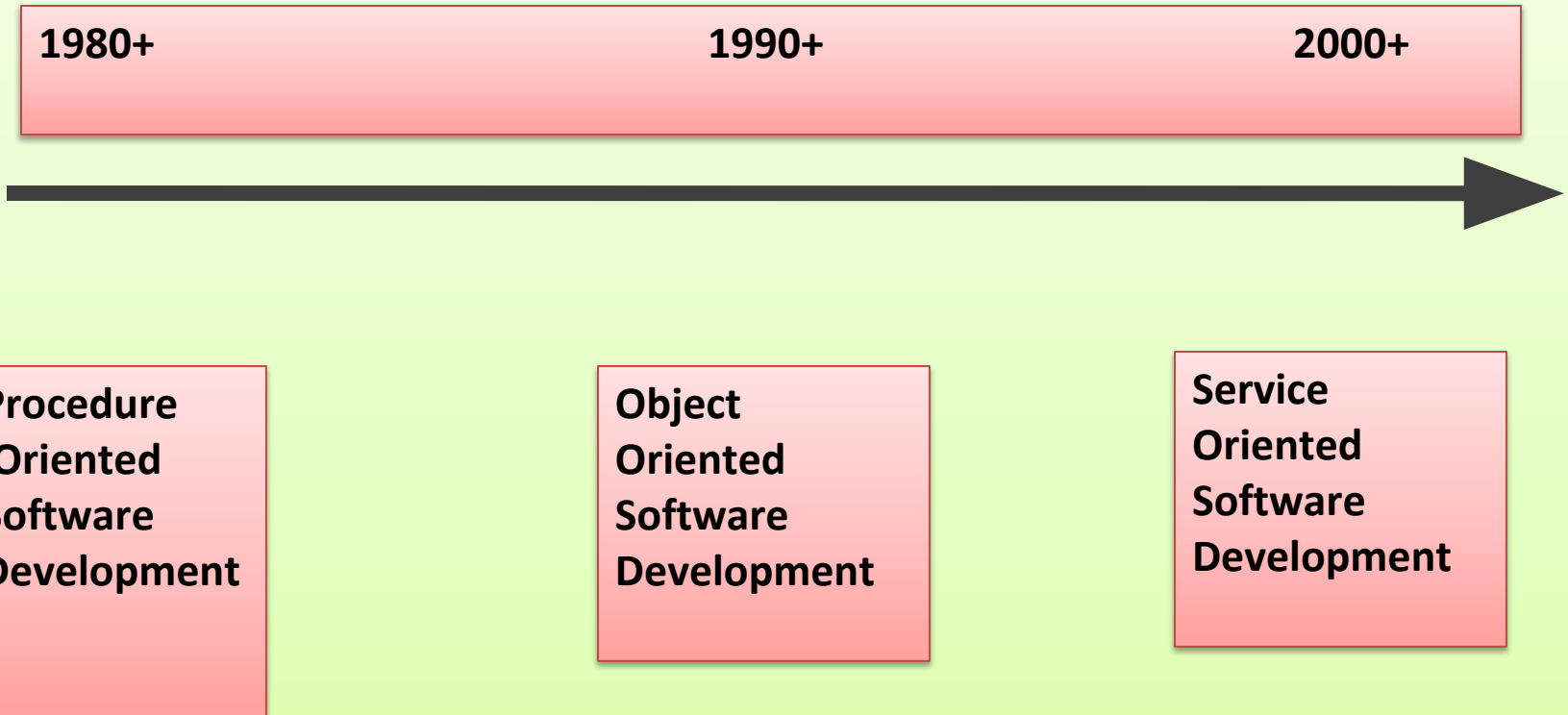
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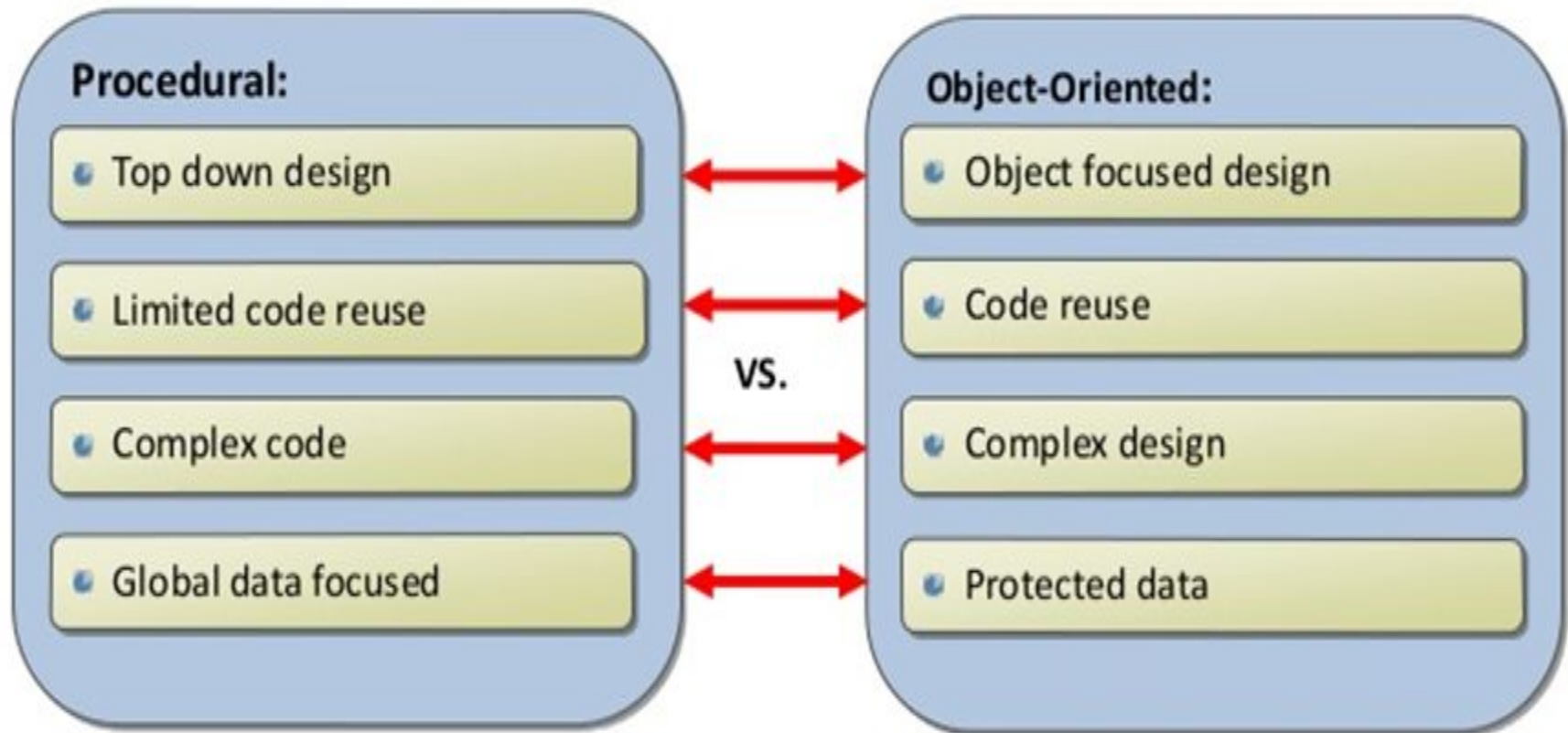
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Recent trends in software development.



Procedure Oriented Programming Vs Object Oriented Programming



Thank You!