

# Metamorphic Virus

A **metamorphic virus** can reprogram itself

- by using different instructions
- and by using different strategies to implement a functionality

**Zmist** (2000)

- First metamorphic virus

**Simile** (2001)

- First a multi-OS metamorphic virus

# Macro Viruses

A **macro virus** is written in scripting languages used by some office applications (can be cross-platform)

- Written in VBS, embedded in a MS-office document, activated when the document is open (autoload function)

## **Concept** (1995)

## **Melissa** (1999)

- March 26 1999, Melissa shut down e-mail systems that got clogged with infected e-mails