

# **C2110 *UNIX and programming***

## **Lesson 11**

**PS / 2020 Distance form of teaching: Rev4**

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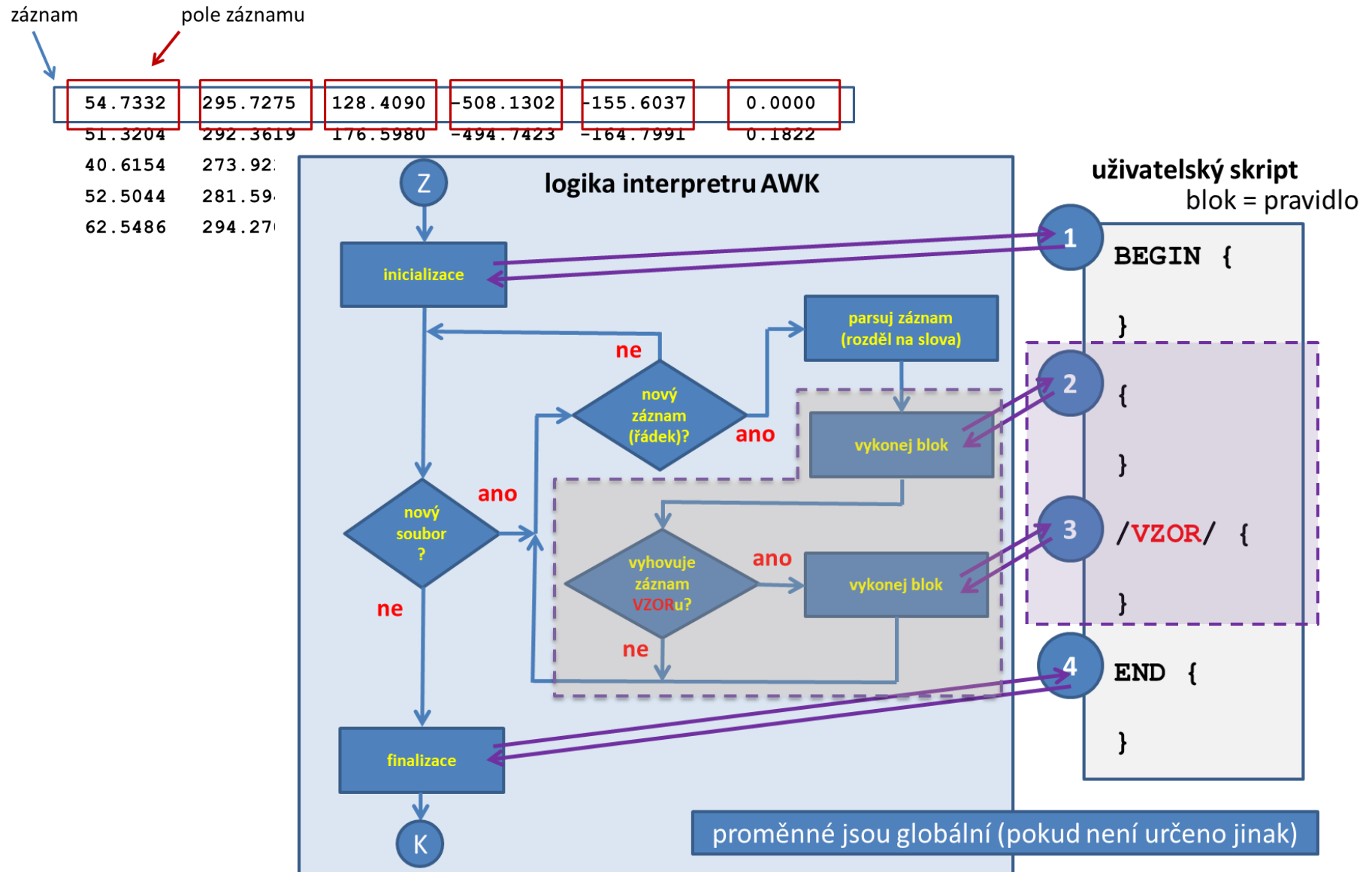
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# Summary L10

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➤ **AWK**

# Process of Executing the Script



# AWK Scripts

## Indirect start:

`$ awk -f script.awk input.txt`

language interpreter

awk script

analyzed text file

result is printed on the screen

Direct launch is possible, but I do not recommend using it.  
AWK does not support interactive mode.

## Special variables:

<code>\$0</code>	whole record
<code>\$1, \$2, \$3 ...</code>	individual record fields
<code>\$i</code>	record field specified by variable "i"
<code>NF</code>	number of fields in the current record (Number of Fields)
<code>NR</code>	order of current record (Number of Records)

## Output:

unformatted:	<code>print item1[[,] [item2]...]</code>
formatted:	<code>printf("format",...)</code>

# Test II (L1-L7)

## ➤ Test via ROPOT in IS

### Student - ROPOT - C2110

- Test II (regular student)
- Test IIs (students with specific needs)

**It is possible to compile only one set of questions at a time**

- **from 25. 11. 0:00 to 26. 1. 23:59**

The test contains 20 questions. The standard time to complete the test is 20 minutes. The question can have any number of correct answers. **The answers are evaluated.** The correct answer is +1 point. The wrong choice is -0.25 points. The final score is a simple sum of all points.

**It is allowed and recommended:**

- Use terminals. **I recommend opening terminals before starting test.**
- Some questions cannot be answered **correctly without online access to the WOLF cluster at the time of the test.**
- Search manual pages, your notes and presentation subject.
- Use the internet, search engines.

**We expect you to complete the test separately.**

# Next Subject

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➤ **Practicing**

# Obsah

## ➤ Bash + AWK + Gnuplot

- Practicing
- Practical examples of scripts for the exam