

Цели и задачи работы

Цель лабораторной работы

Познакомиться с операционной системой Linux. Получить практические навыки работы с редактором Emacs.

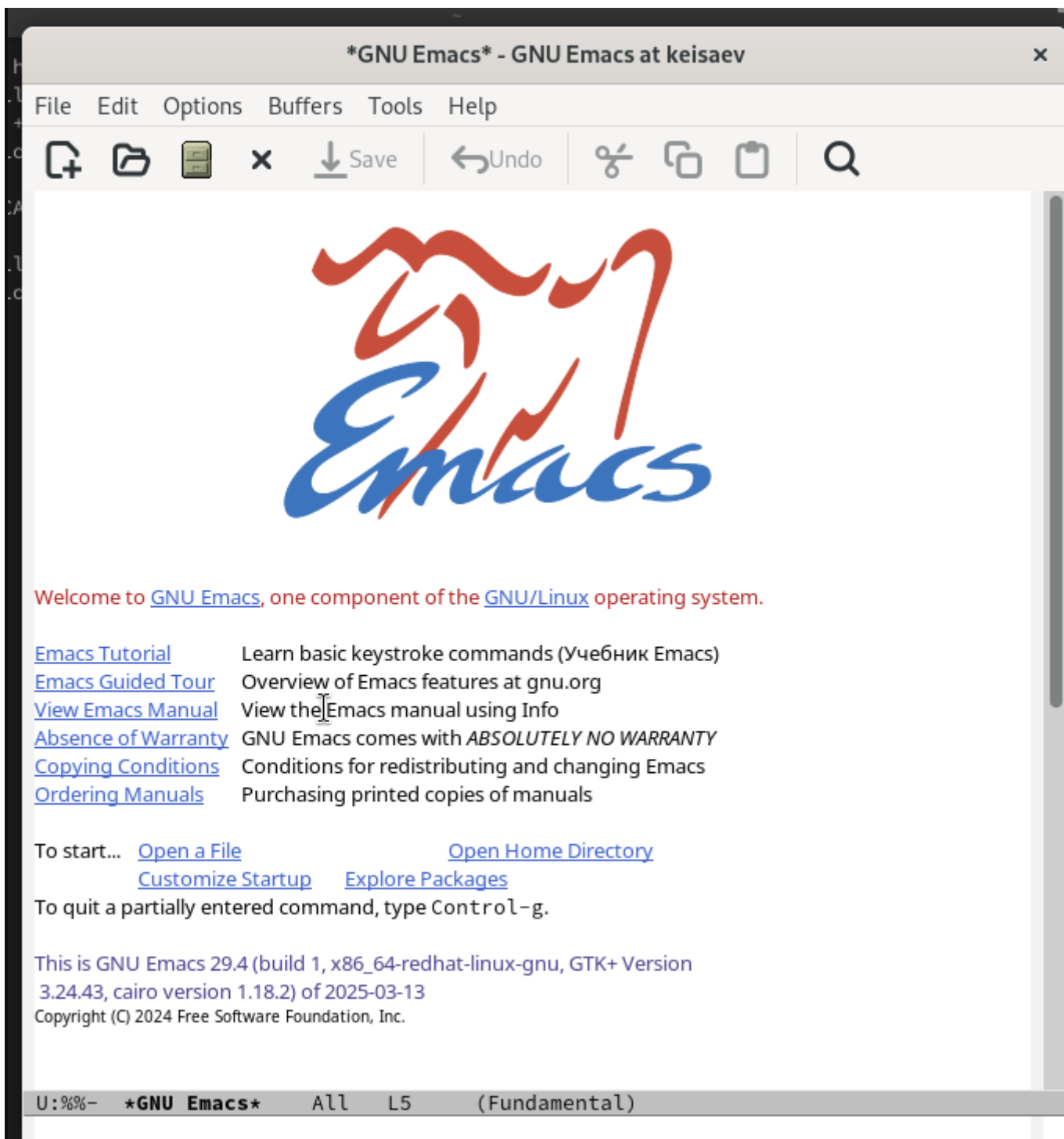
Задачи лабораторной работы

1 Изучить возможности редактора Emacs

Процесс выполнения лабораторной работы

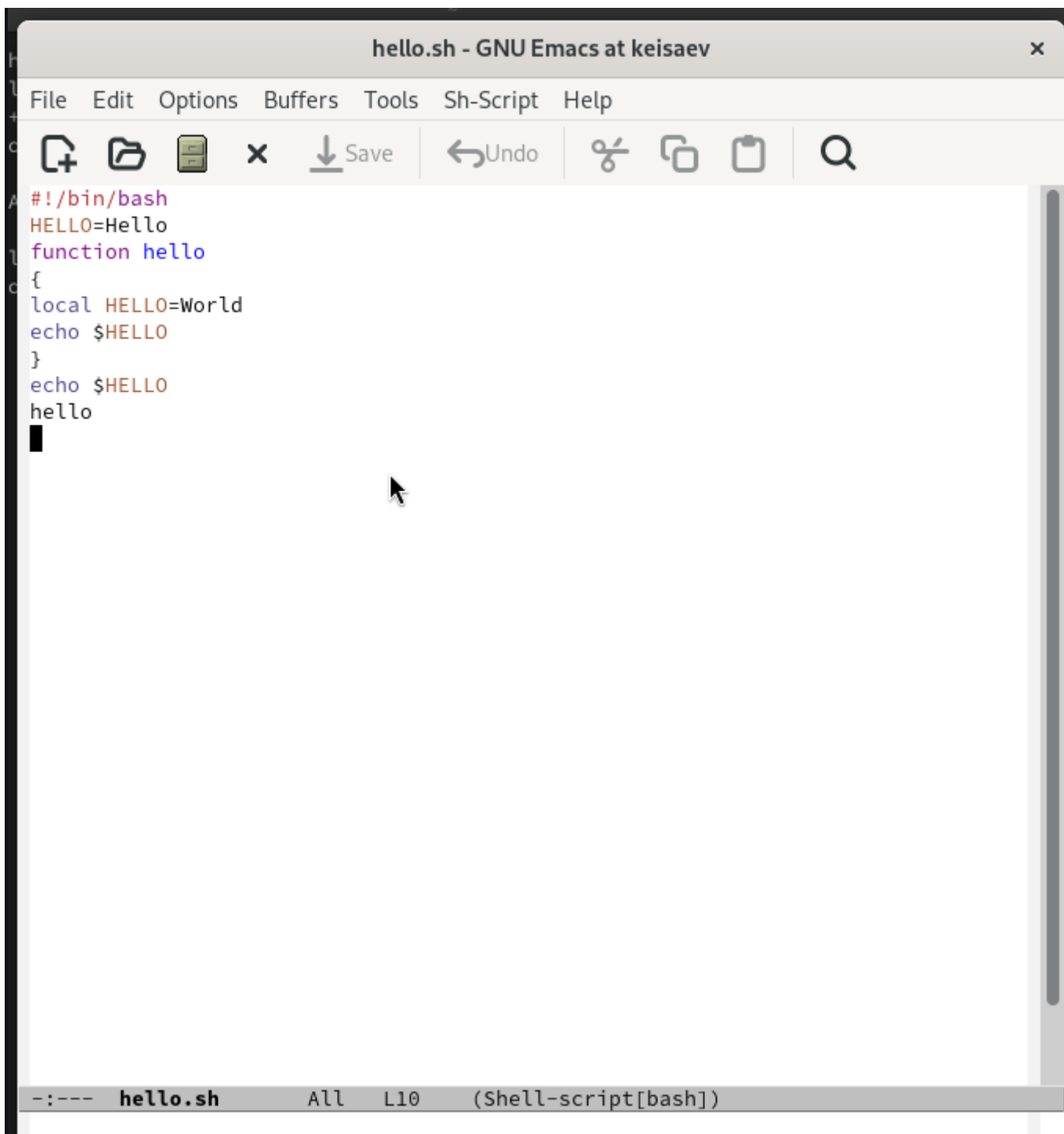
Выполнение работы

1. Откроем Emacs.



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Выполнение работы



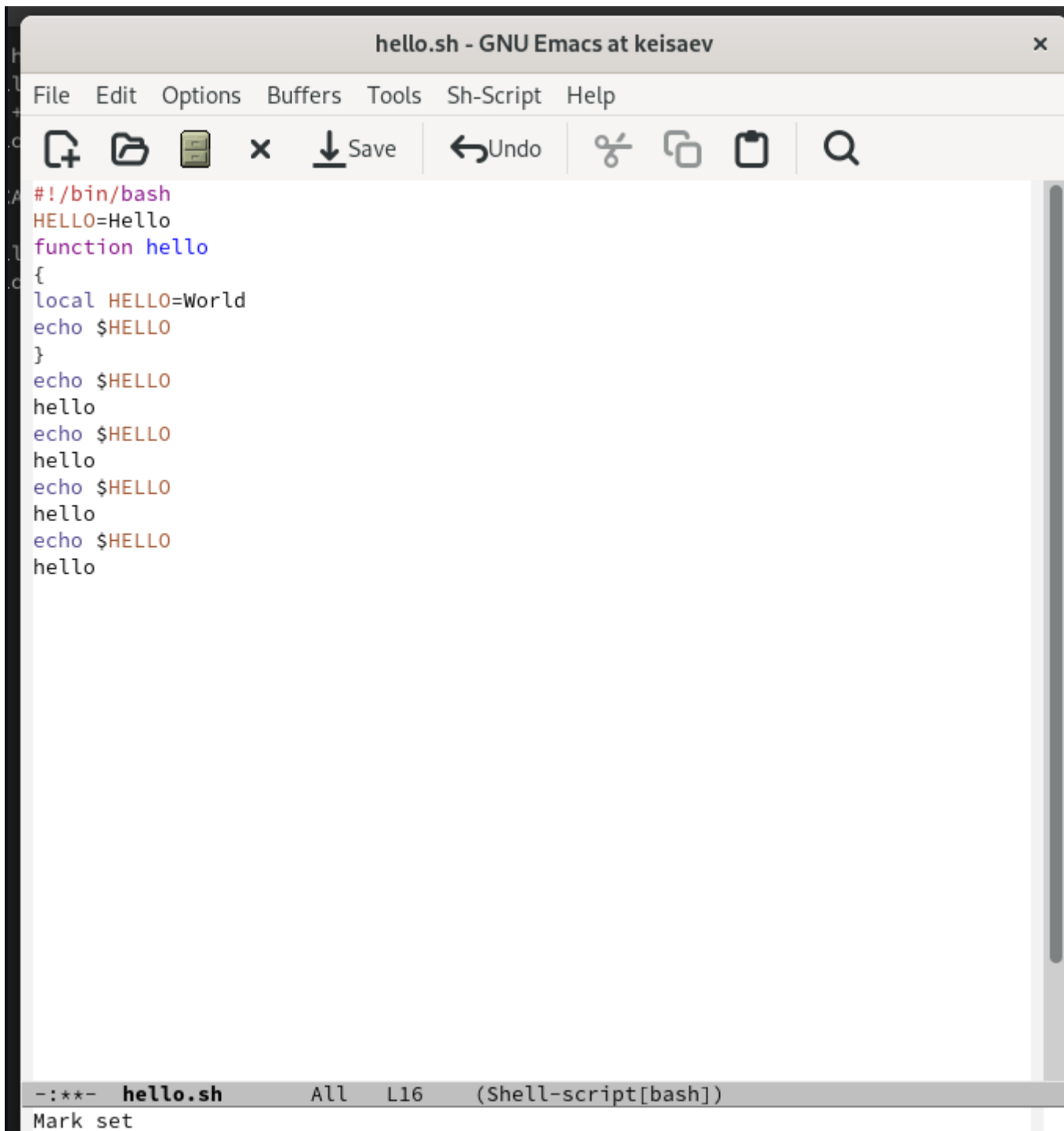
The image shows a GNU Emacs window titled "hello.sh - GNU Emacs at keisaev". The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. The toolbar contains icons for opening, saving, undo, redo, and search. The main text area displays the following shell script:

```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
```

The status bar at the bottom shows the file name "hello.sh", the buffer "All", the line number "L10", and the shell type "(Shell-script[bash])".

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Выполнение работы

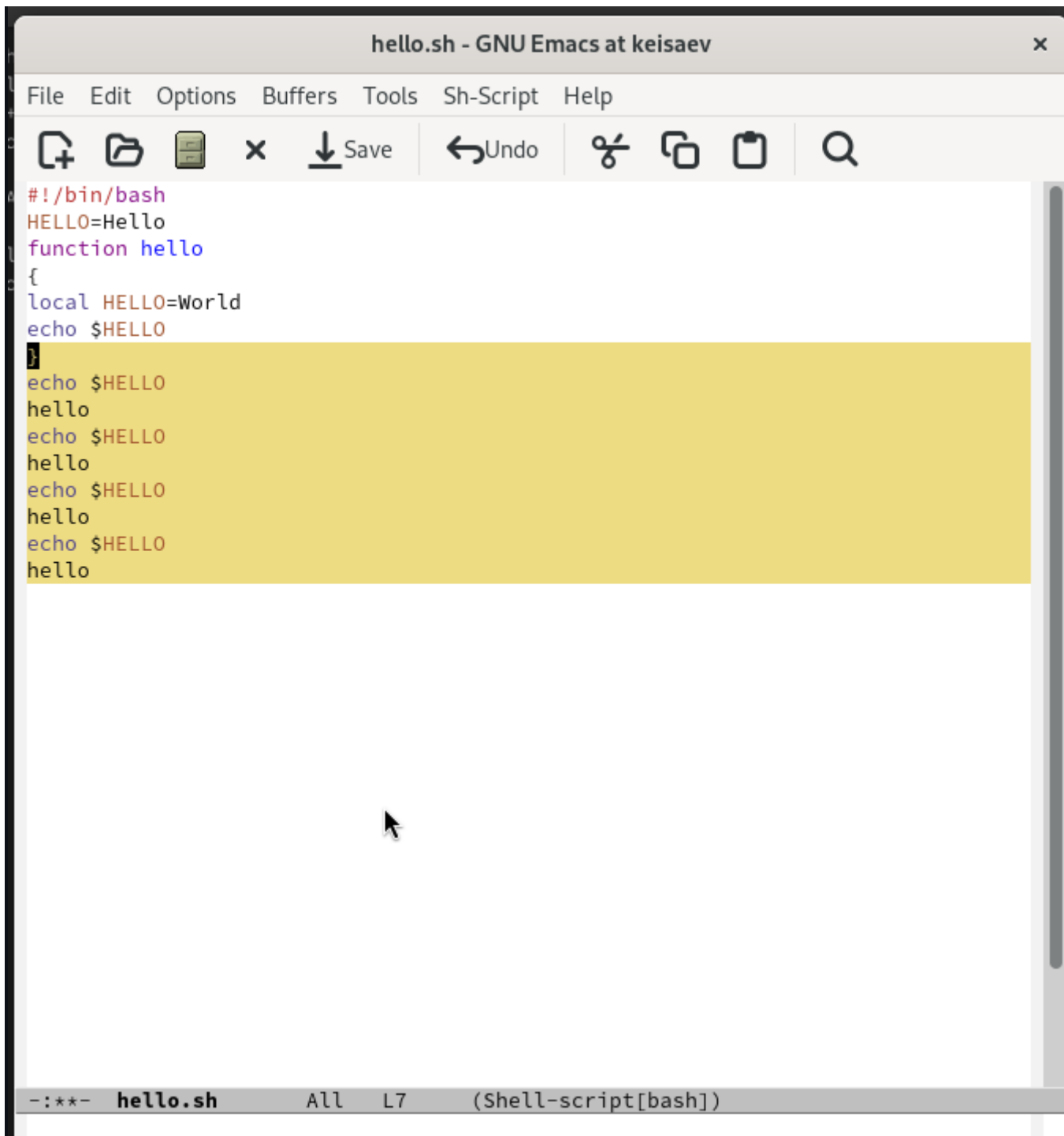


```
#!/bin/bash
HELLO=Hello
function hello
{
local HELLO=World
echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
```

-:***- hello.sh All L16 (Shell-script[bash])
Mark set

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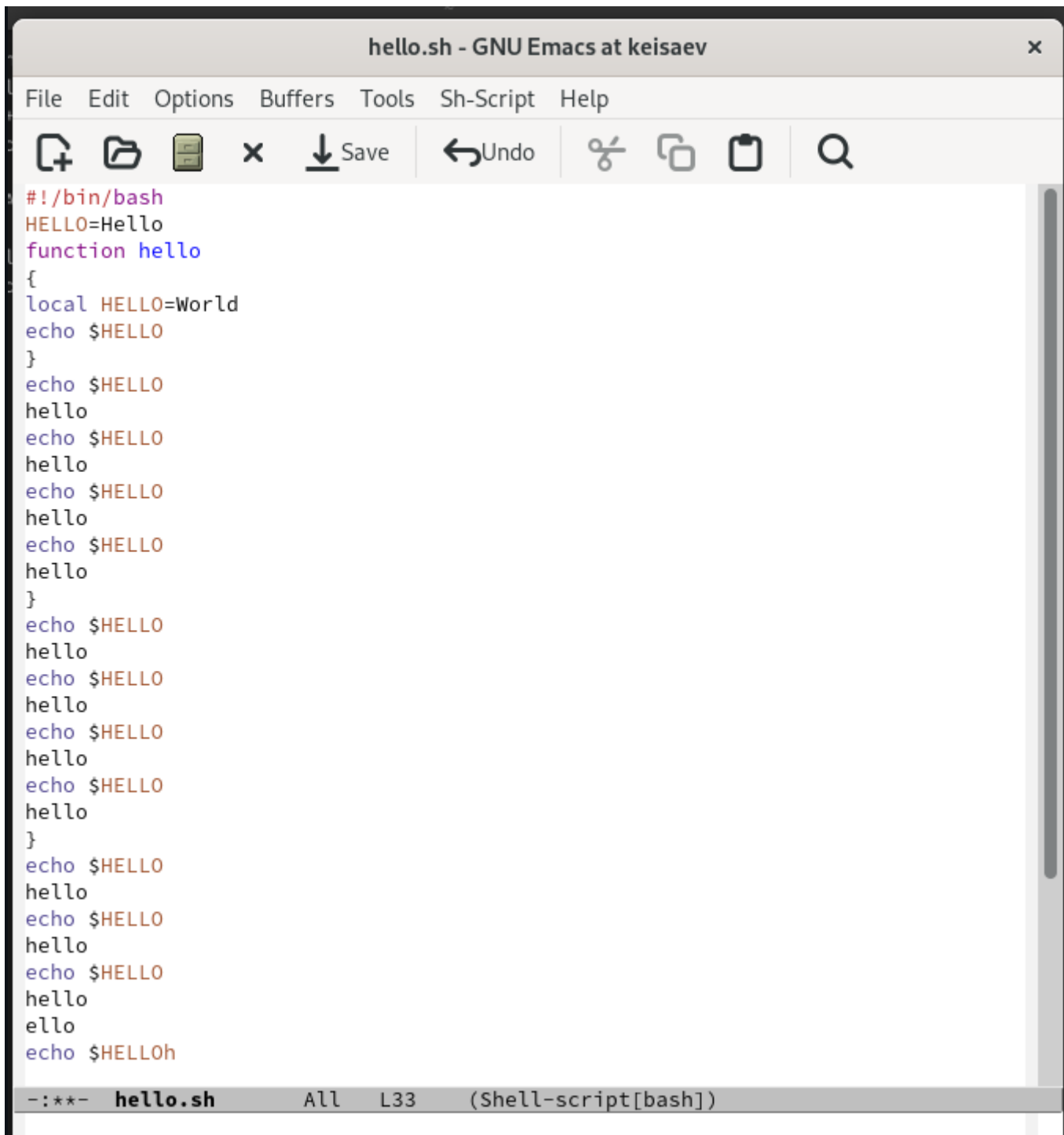
Выполнение работы



```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
```

{ #fig:004 width=70% height=70%}

Выполнение работы

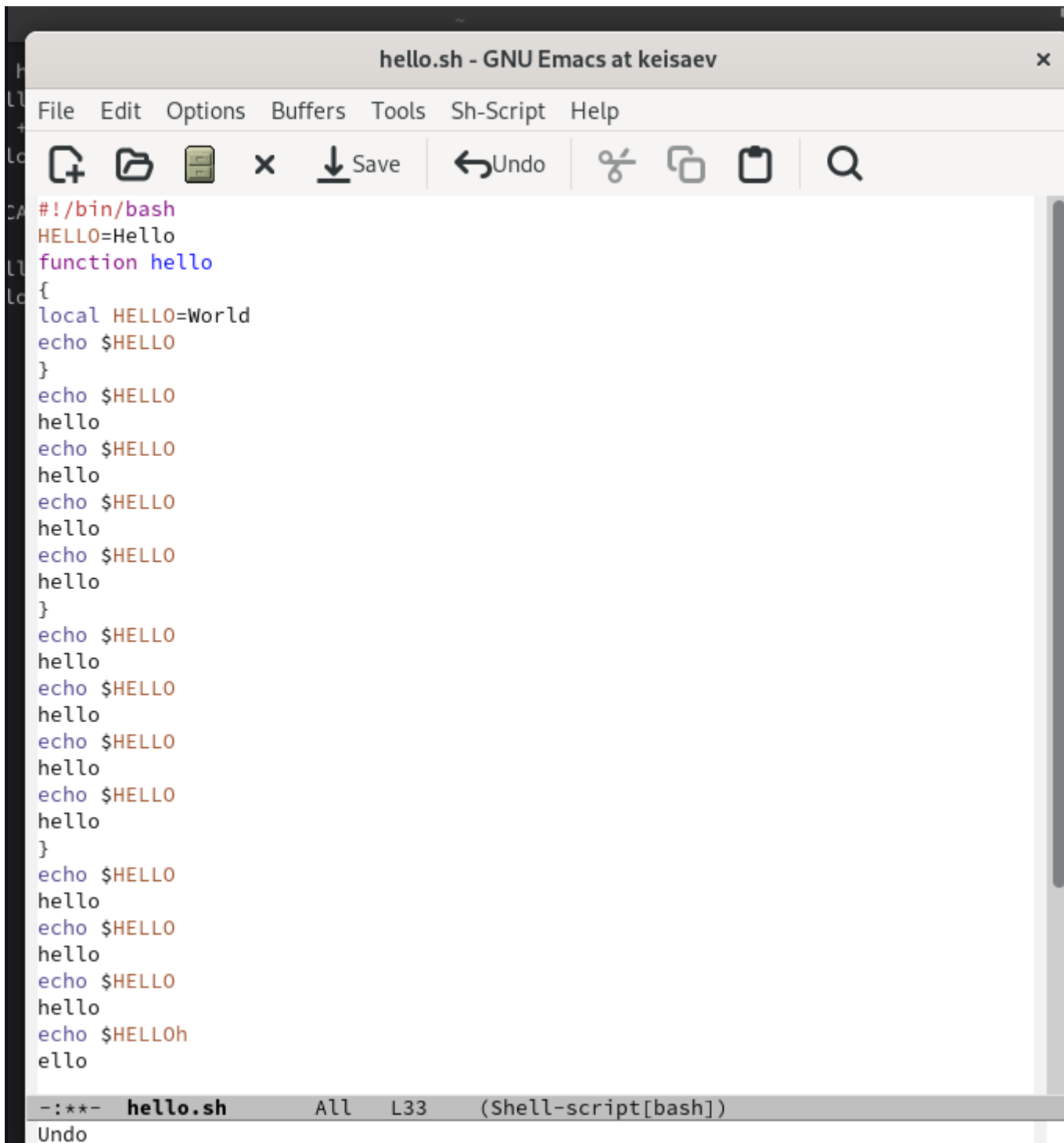


```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
ello
echo $HELLOh
```

~:***- hello.sh All L33 (Shell-script[bash])

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Выполнение работы

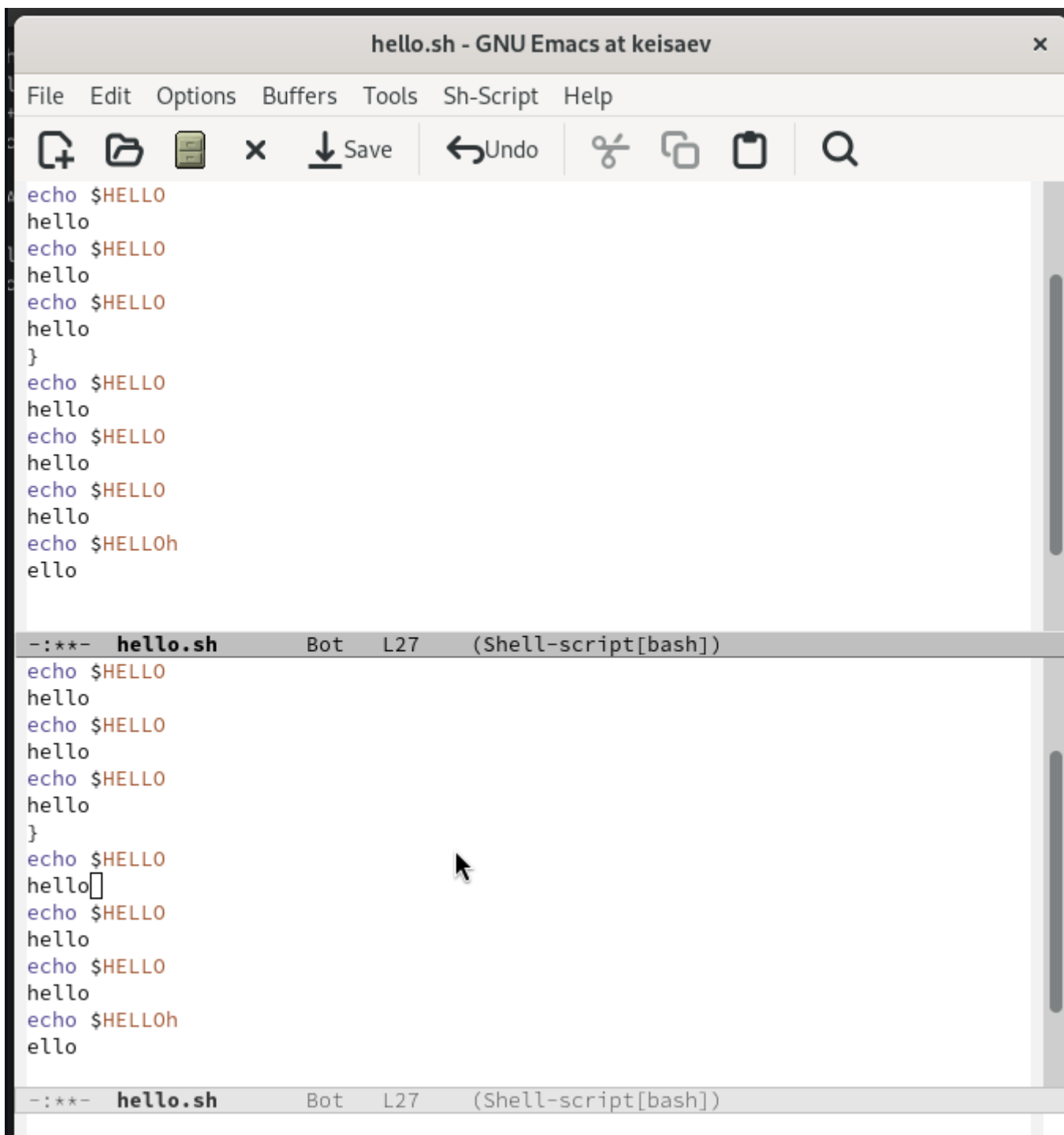


```
hello.sh - GNU Emacs at keisaev
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Cut, Copy, Paste, Find]
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello

-:***- hello.sh All L33 (Shell-script[bash])
Undo
```

{ #fig:006 width=70% height=70%}

Выполнение работы



```
hello.sh - GNU Emacs at keisaev
File Edit Options Buffers Tools Sh-Script Help
[Icons: Add, Open, Save, Close, Save, Undo, Cut, Copy, Paste, Find]

echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello

-:***- hello.sh Bot L27 (Shell-script[bash])
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello

-:***- hello.sh Bot L27 (Shell-script[bash])
```

{ #fig:007 width=70% height=70%}

Выполнение работы

The image shows a GNU Emacs window titled "hello.sh - GNU Emacs at keisaev". The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. The toolbar contains icons for opening, saving, undo, redo, and search. The main text area contains a shell script with the following content:

```
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello
```

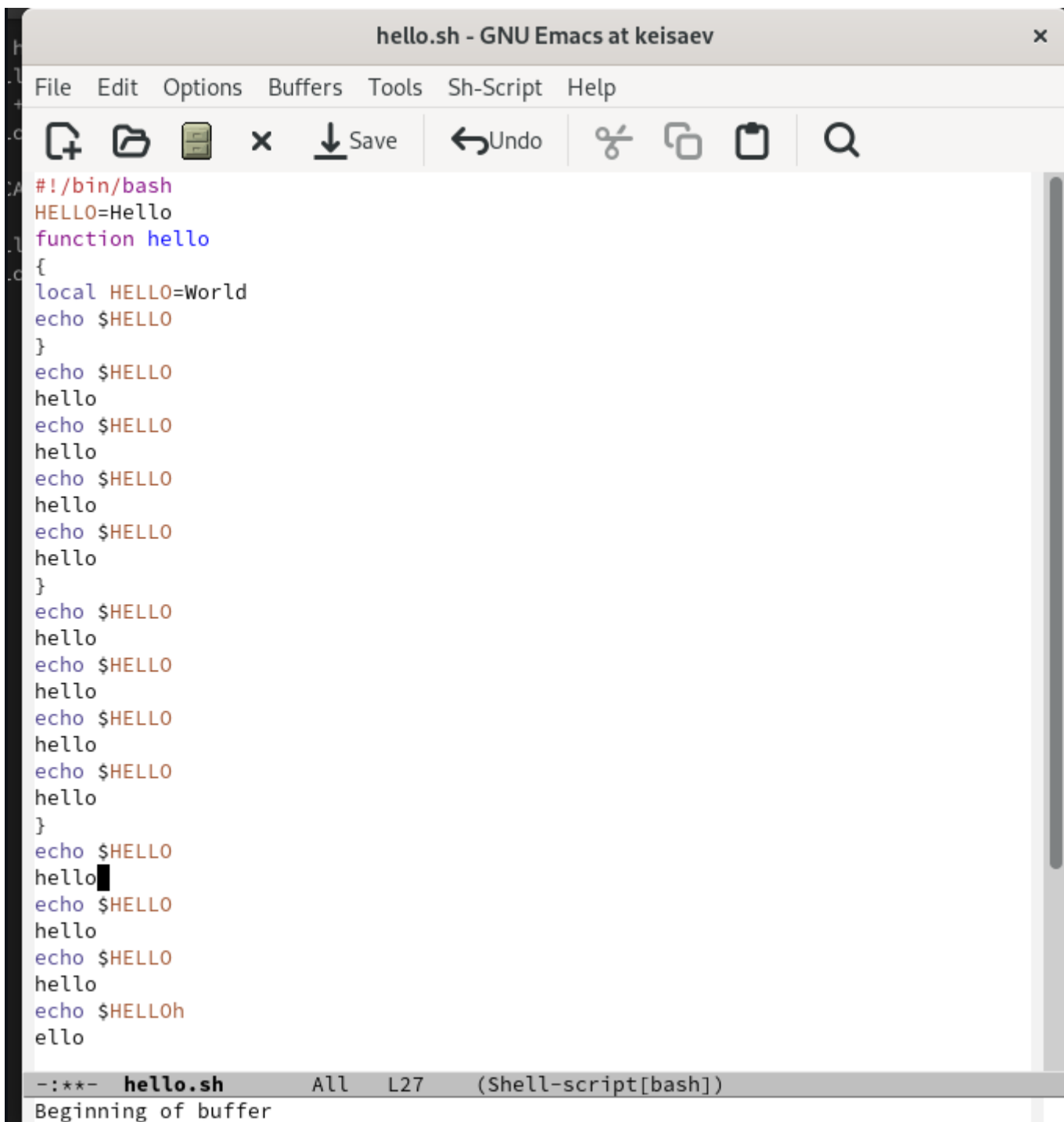
Below the script, a status bar indicates the current buffer is "hello.sh" at line 27, column 1, in a shell script mode. The output of the script is displayed in the buffer:

```
-:***- hello.sh Bot L27 (Shell-script[bash])
Compiling /usr/share/emacs/29.4/lisp/emacs-lisp/cl-loaddefs.el.gz...
uncompressing cl-loaddefs.el.gz...
uncompressing cl-loaddefs.el.gz...done
Compilation finished.
```

The bottom status bar shows the current buffer is "*Async-native-compile-log*" at line 4, column 1, in a fundamental mode.

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Выполнение работы

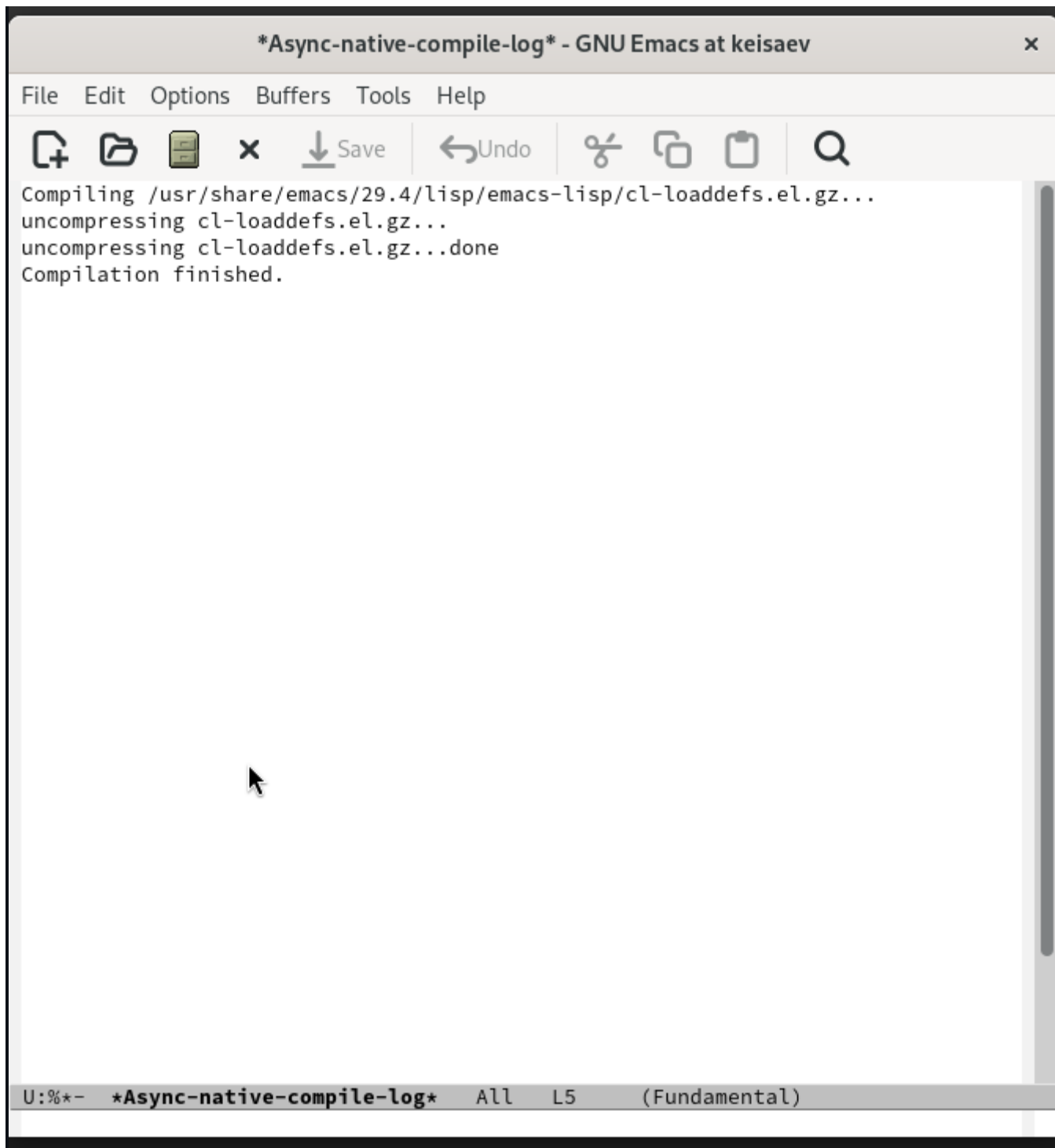


```
#!/bin/bash
HELLO=Hello
function hello
{
    local HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello
```

-:***- **hello.sh** All L27 (Shell-script[bash])
Beginning of buffer

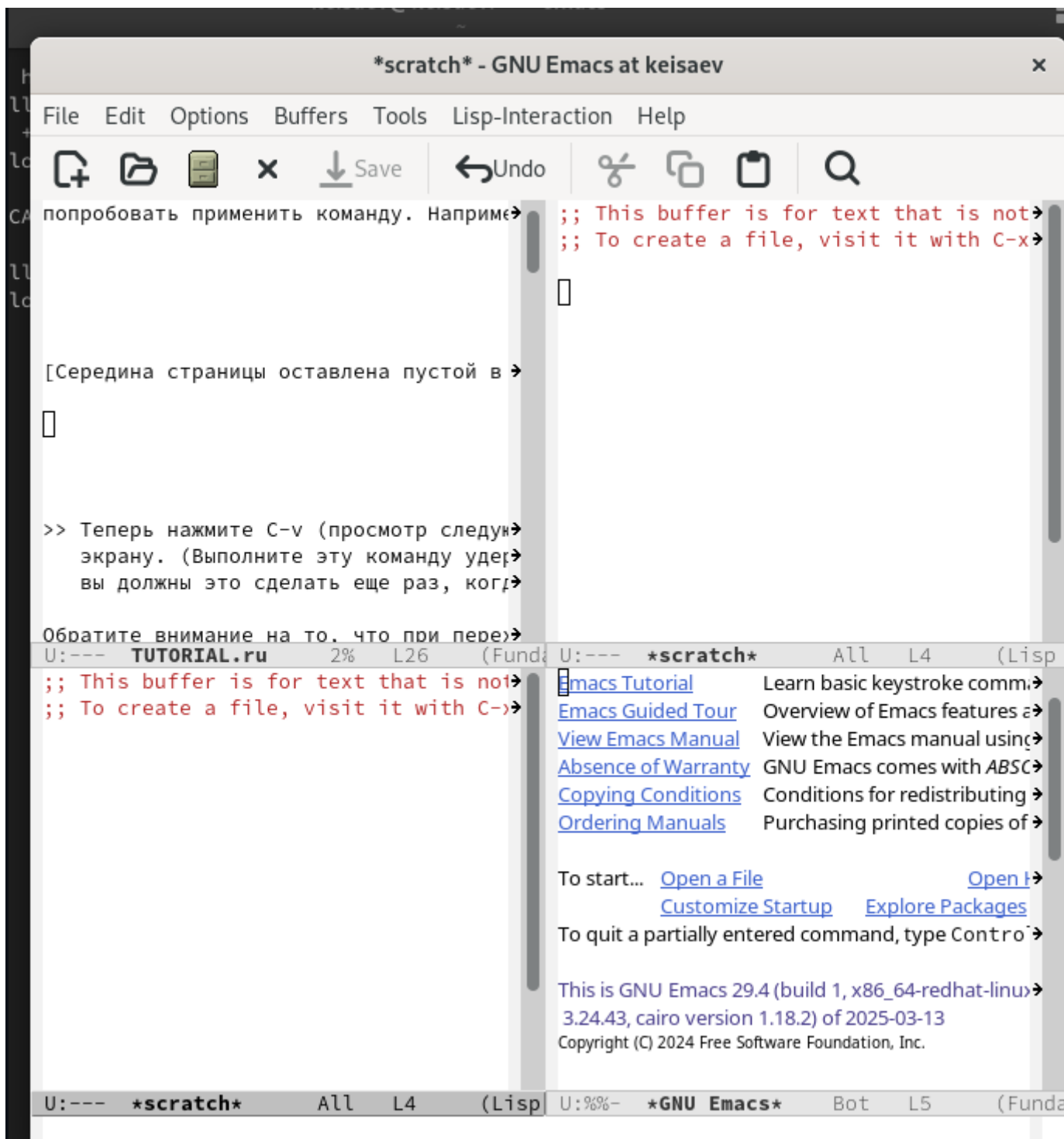
{ #fig:009 width=70% height=70%}

Выполнение работы



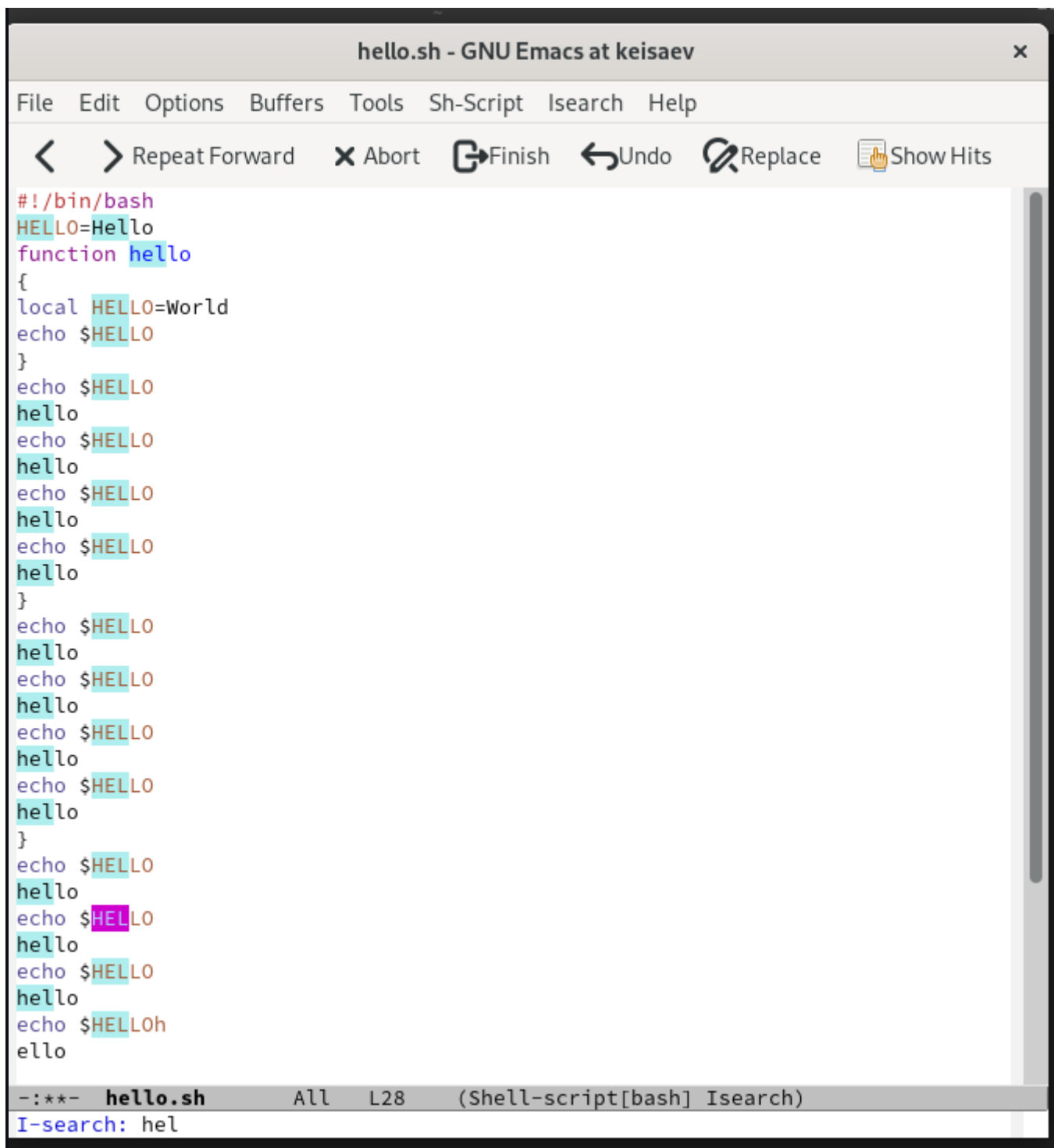
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Выполнение работы



{ #fig:011 width=70% height=70%}

Выполнение работы



```
hello.sh - GNU Emacs at keisaev
File Edit Options Buffers Tools Sh-Script Isearch Help
< > Repeat Forward x Abort G Finish ← Undo ↻ Replace 📄 Show Hits

#!/bin/bash
HELLO=Hello
function hello
{
local HELLO=World
echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
echo $HELLOh
ello

-:***- hello.sh All L28 (Shell-script[bash] Isearch)
I-search: hel
```

{ #fig:012 width=70% height=70%}

Выводы по проделанной работе

Вывод

В данной работе мы познакомились с еще одним редактором операционной системой Linux. Получили практические навыки работы с редактором Emacs.

