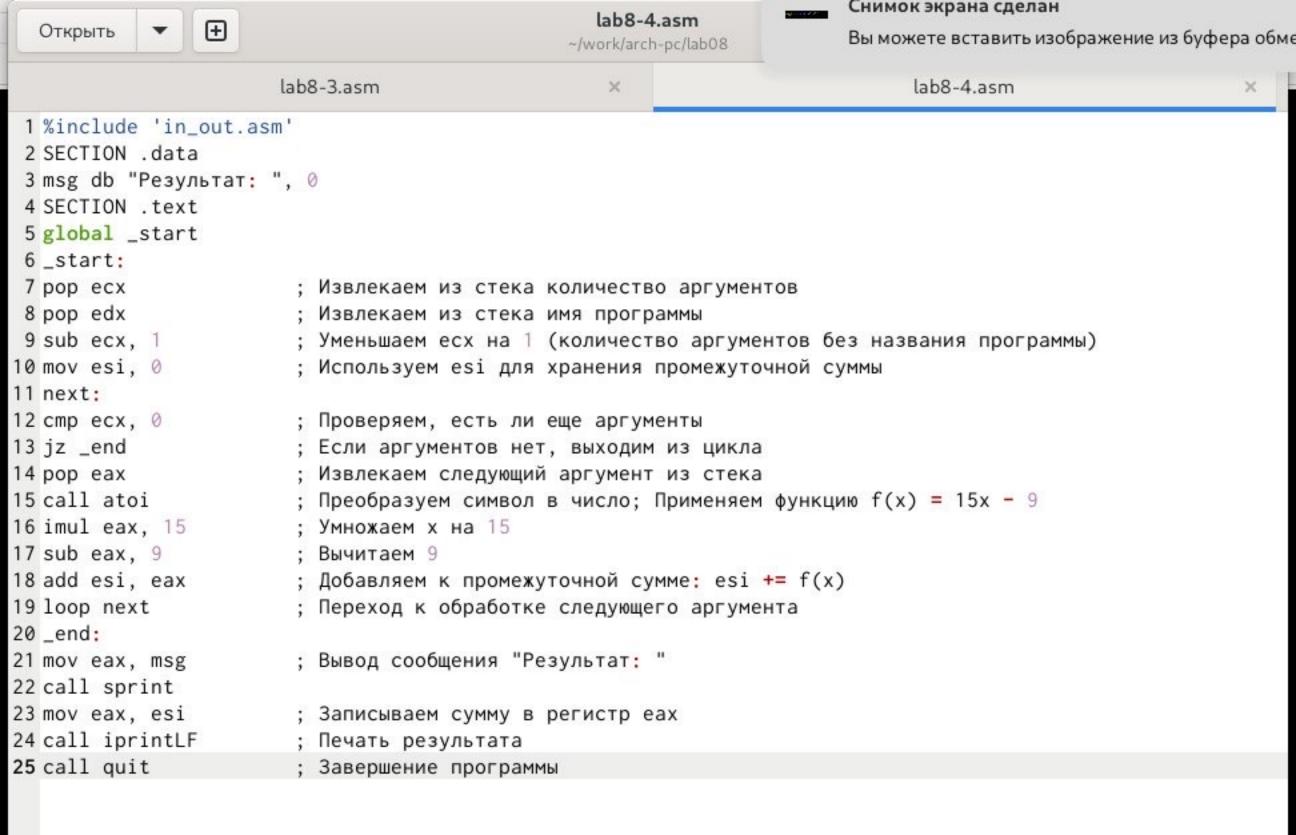
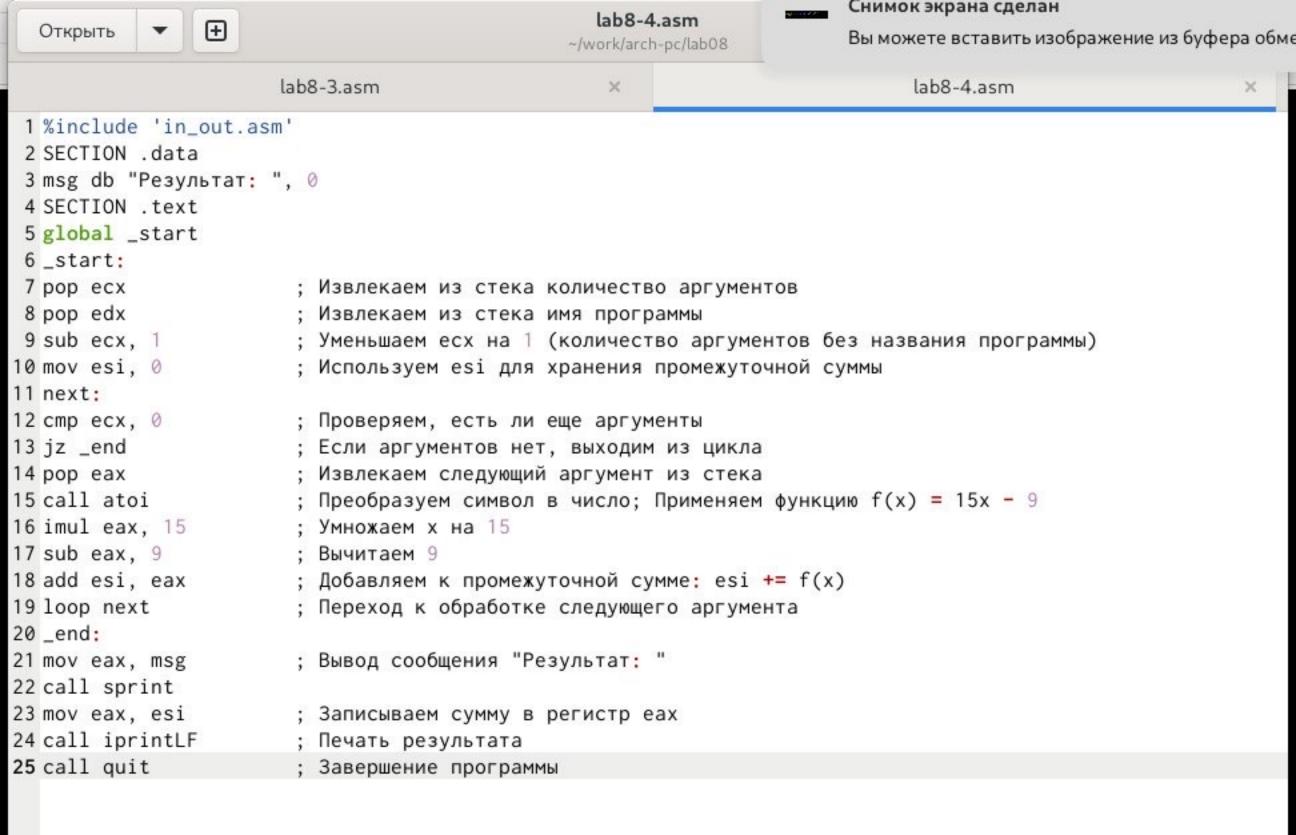
```
\oplus
  Открыть
                                  ~/work/arch-pc/lab08
 1 %include 'in_out.asm'
 2 SECTION .data
 3 msg1 db 'Введите N: ',0h
 4 SECTION .bss
 5 N: resb 10
 6 SECTION . text
7 global _start
8 _start:
9; ---- Вывод сообщения 'Введите N: '
10 mov eax, msg1
11 call sprint
12; ---- Ввод 'N'
13 mov ecx, N
14 mov edx, 10
15 call sread
16; ---- Преобразование 'N' из символа в число
17 mov eax, N
18 call atoi
19 mov [N], eax
20; ---- Организация цикла
21 mov ecx,[N]; Счетчик цикла, 'ecx=N'
22 label:
23 push есх ; добавление значения есх в стек
24 sub ecx, 1
25 mov [N], ecx
26 mov eax,[N]
27 call iprintLF
28 рор есх ; извлечение значения есх из стека
29 loop label
30 call quit
```

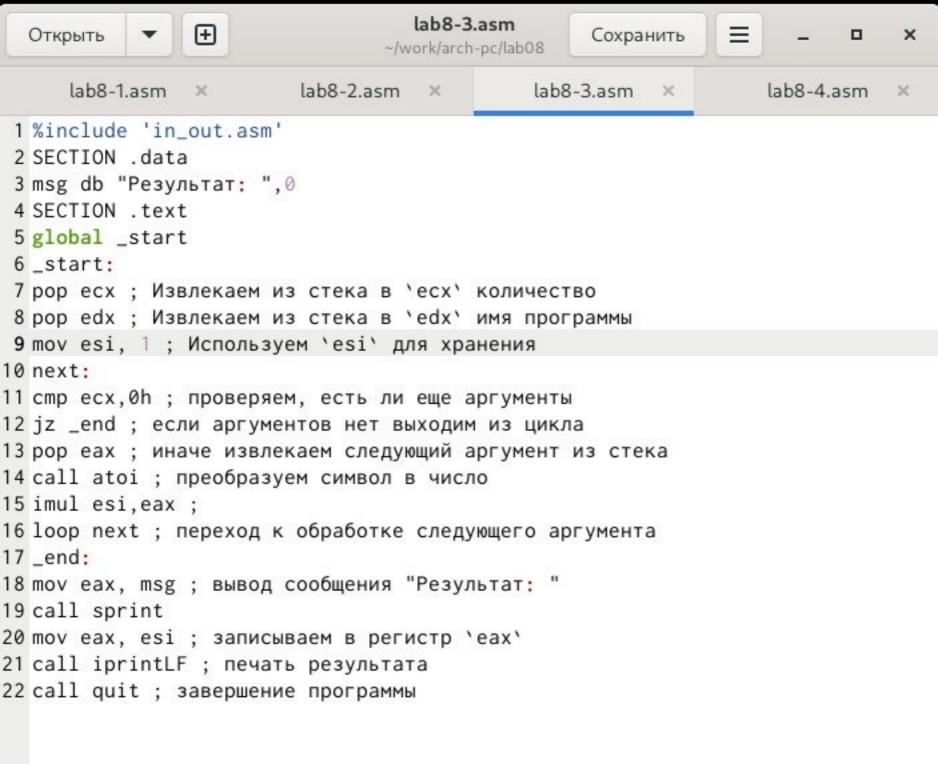
lab8-1.asm

Сохранить

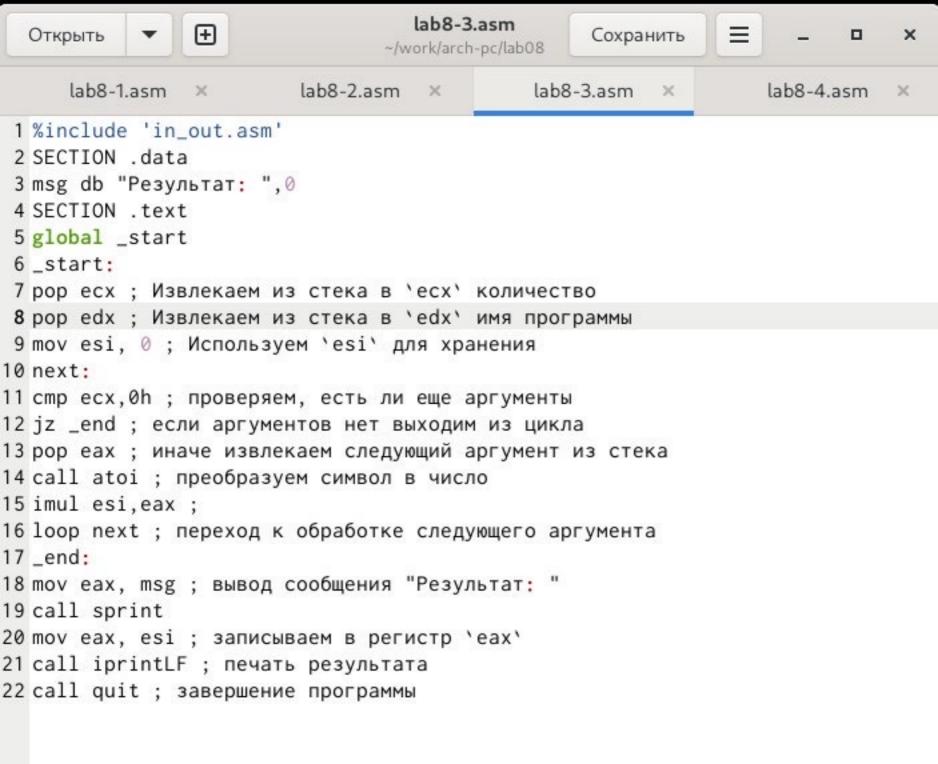
=

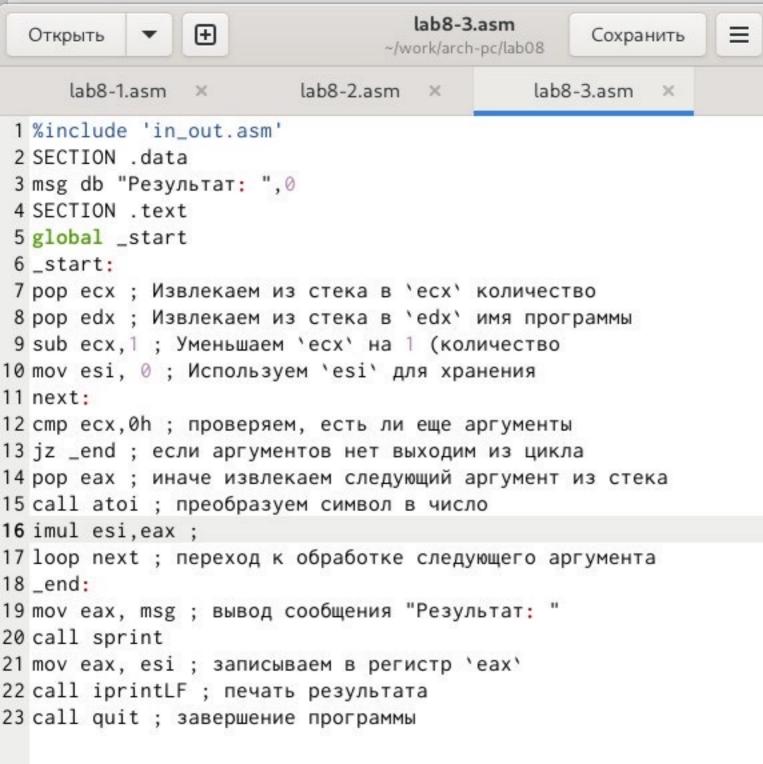






```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-4.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-4 lab8-4.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-4 1 2 3 4
Результат: 114
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $
```





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lab8-4.asm

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 2
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 32
31
29
27
25
23
21
19
17
15
13
amzabrodina@dk3n61 ~/work/arch-pc/lab08 💲 📕
```

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ touch lab8-3.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-3.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-3.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-3 lab8-3.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-3
Результат: 0
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-3 12 13 7 10 5
Результат: 47
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $
```

```
\oplus
                                                    Сохранить
                                                                Открыть
                                 ~/work/arch-pc/lab08
 1 %include 'in out.asm'
 2 SECTION .data
 3 msg1 db 'Введите N: ',0h
 4 SECTION .bss
 5 N: resb 10
 6 SECTION .text
7 global _start
8 start:
9; ---- Вывод сообщения 'Введите N: '
10 mov eax, msg1
11 call sprint
12; ---- Ввод 'N'
13 mov ecx, N
14 mov edx, 10
15 call sread
16; ---- Преобразование 'N' из символа в число
17 mov eax, N
18 call atoi
19 mov [N], eax
20 ; ---- Организация цикла
21 mov ecx,[N]; Счетчик цикла, 'ecx=N'
22 label:
23 sub ecx,1; 'ecx=ecx-1'
24 mov [N], ecx
25 mov eax,[N]
26 call iprintLF
27 loop label ; 'ecx=ecx-1' и если 'ecx' не '0'
28; переход на 'label'
29 call quit
```

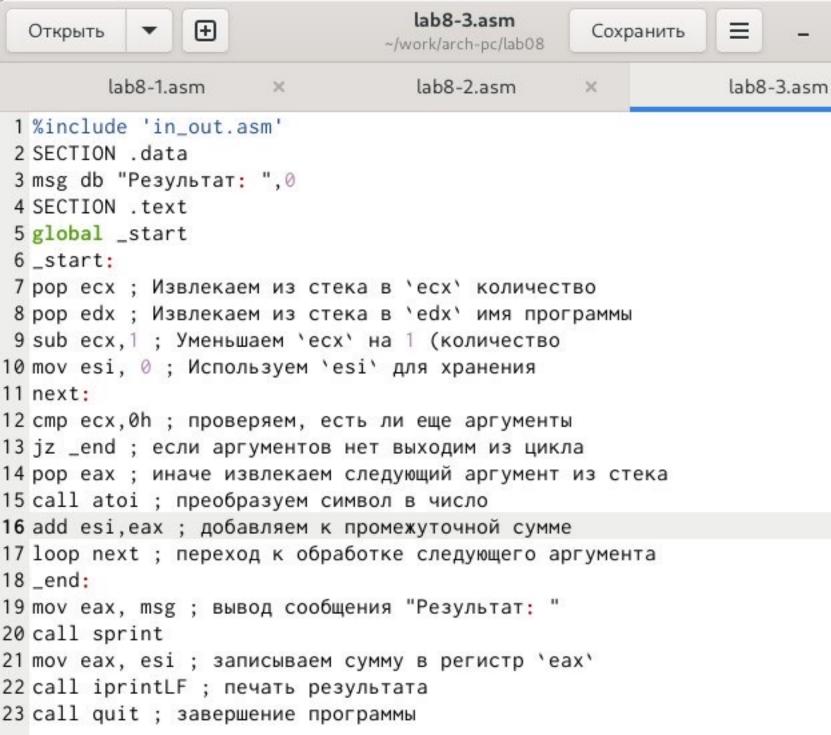
lab8-1.asm

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-3.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-3 lab8-3.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-3 2 3
Результат: 6
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $
```

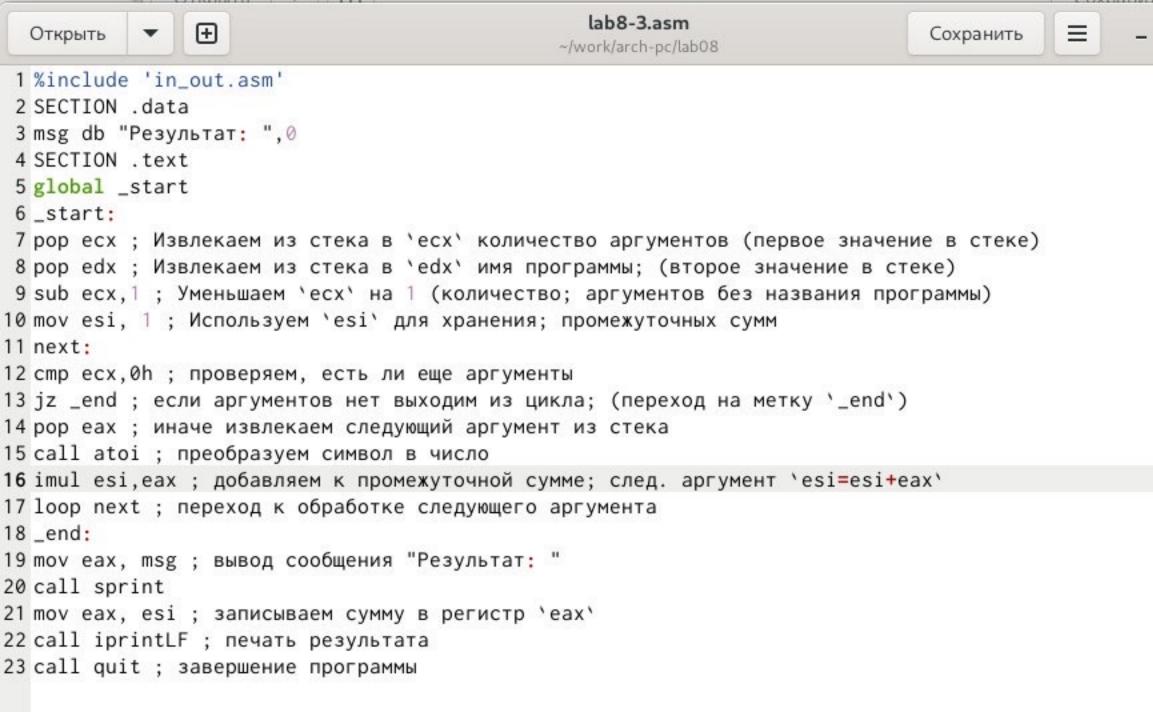
ourietta certiettiripobattiri (copac italiitti copoucit ita Ariett)

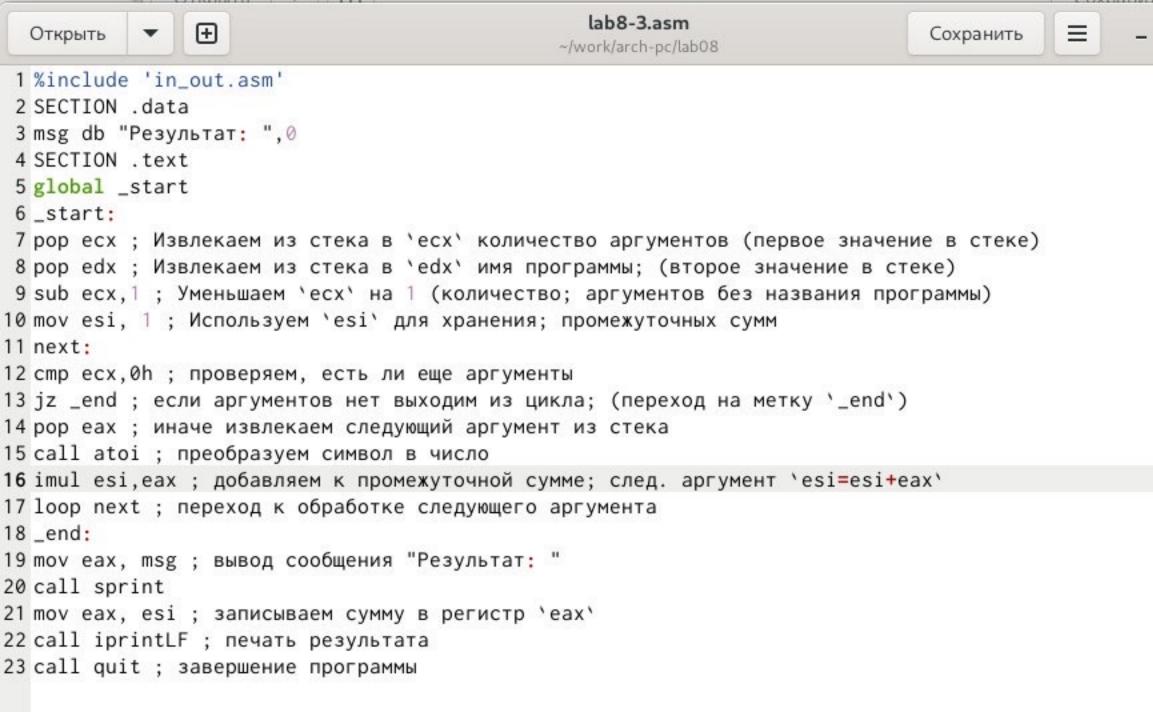
```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-3.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-3 lab8-3.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-3 2 3
Результат: 6
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $
```

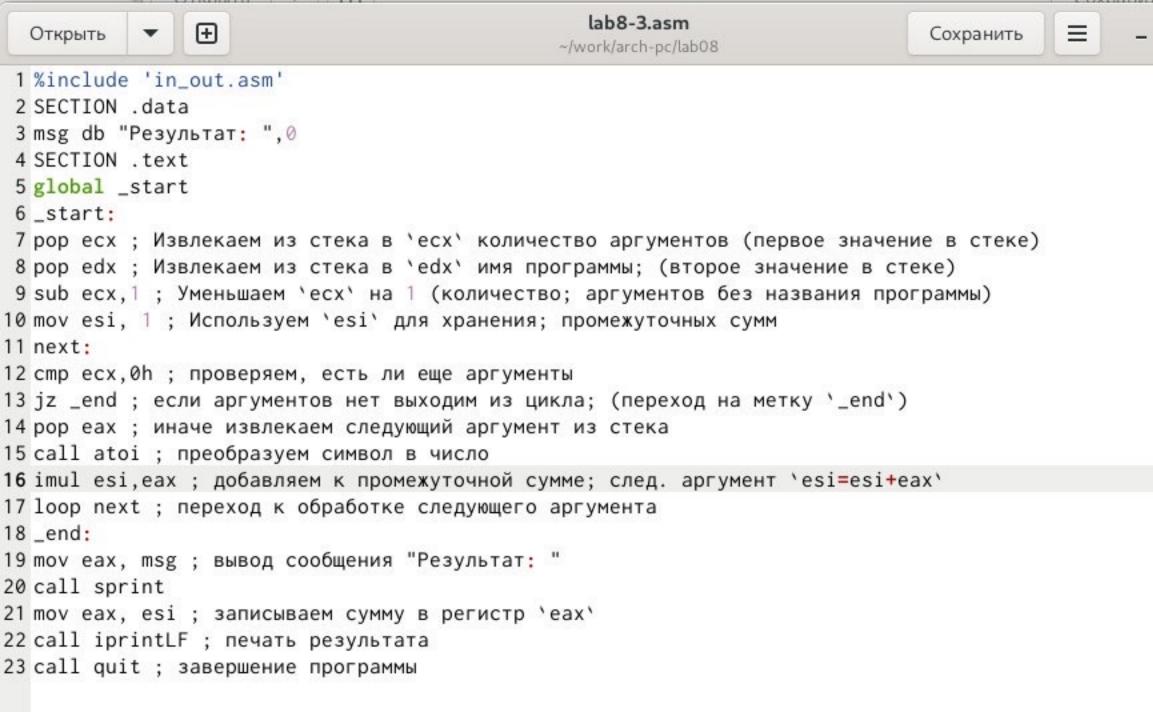
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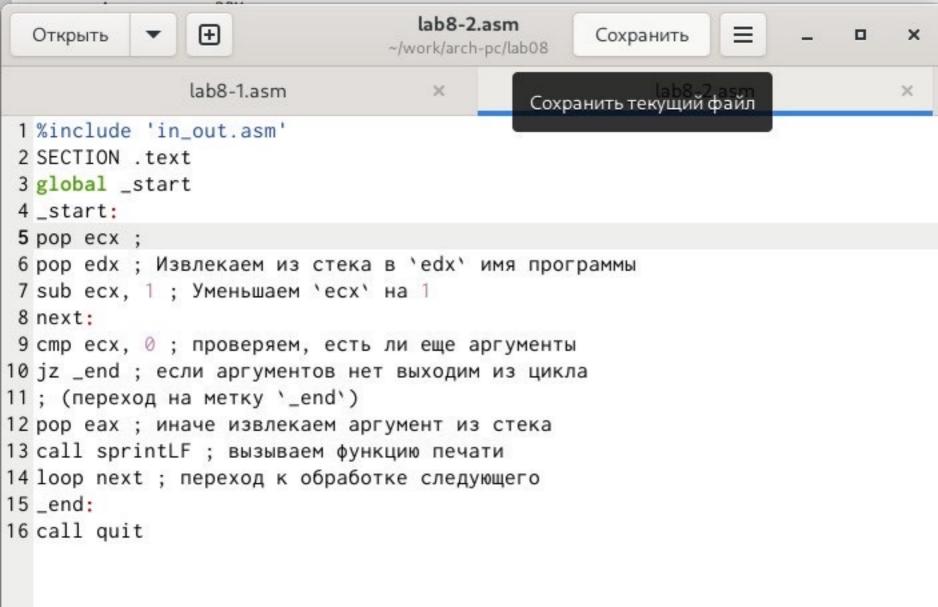






```
lab8-1.asm
                 (F)
                                                                \equiv
  Открыть
                                                    Сохранить
                                  ~/work/arch-pc/lab08
 1 %include 'in_out.asm'
 2 SECTION .data
 3 msg1 db 'Введите N: ',0h
4 SECTION .bss
5 N: resb 10
6 SECTION . text
7 global _start
8 _start:
9; ---- Вывод сообщения 'Введите N: '
10 mov eax, msg1
11 call sprint
12: ---- Ввод 'N'
13 mov ecx, N
14 mov edx, 10
15 call sread
16; ---- Преобразование 'N' из символа в число
17 mov eax, N
18 call atoi
19 mov [N], eax
20 ; ----- Организация цикла
21 mov ecx,[N]; Счетчик цикла, 'ecx=N'
22 label:
23 mov [N], ecx
24 mov eax, [N]
25 call iprintLF; Вывод значения 'N'
26 loop label; 'ecx=ecx-1' и если 'ecx' не '0'
27; переход на 'label'
28 call quit
```

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ touch lab8-2.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-2.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-2 lab8-2.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-2
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-2 аргумент1 аргумент 2 'аргумент3'
аргумент1
аргумент
аргумент3
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $
```



```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 32
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
10
9
8
7
6
5
```

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 2
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 32
31
29
27
25
23
21
19
17
15
13
```

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 32
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
6
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ touch lab8-2.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-2.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-2 lab8-2.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-2
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-2 аргумент1 аргумент 2 'аргумент3'
аргумент1
аргумент
аргумент3
```

```
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ nasm -f elf lab8-1.asm
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ld -m elf_i386 -o lab8-1 lab8-1.o
amzabrodina@dk3n61 ~/work/arch-pc/lab08 $ ./lab8-1
Введите N: 32
31
30
29
28
27
26
25
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23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
```