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## ОТЧЕТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №4

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Ссылка на репозиторий: [https://github.com/  
CorgiPuppy/  
info-sys-admin-labs](https://github.com/CorgiPuppy/info-sys-admin-labs)

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Москва

2025

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# Описание и выполнение задачи

## Задание 1

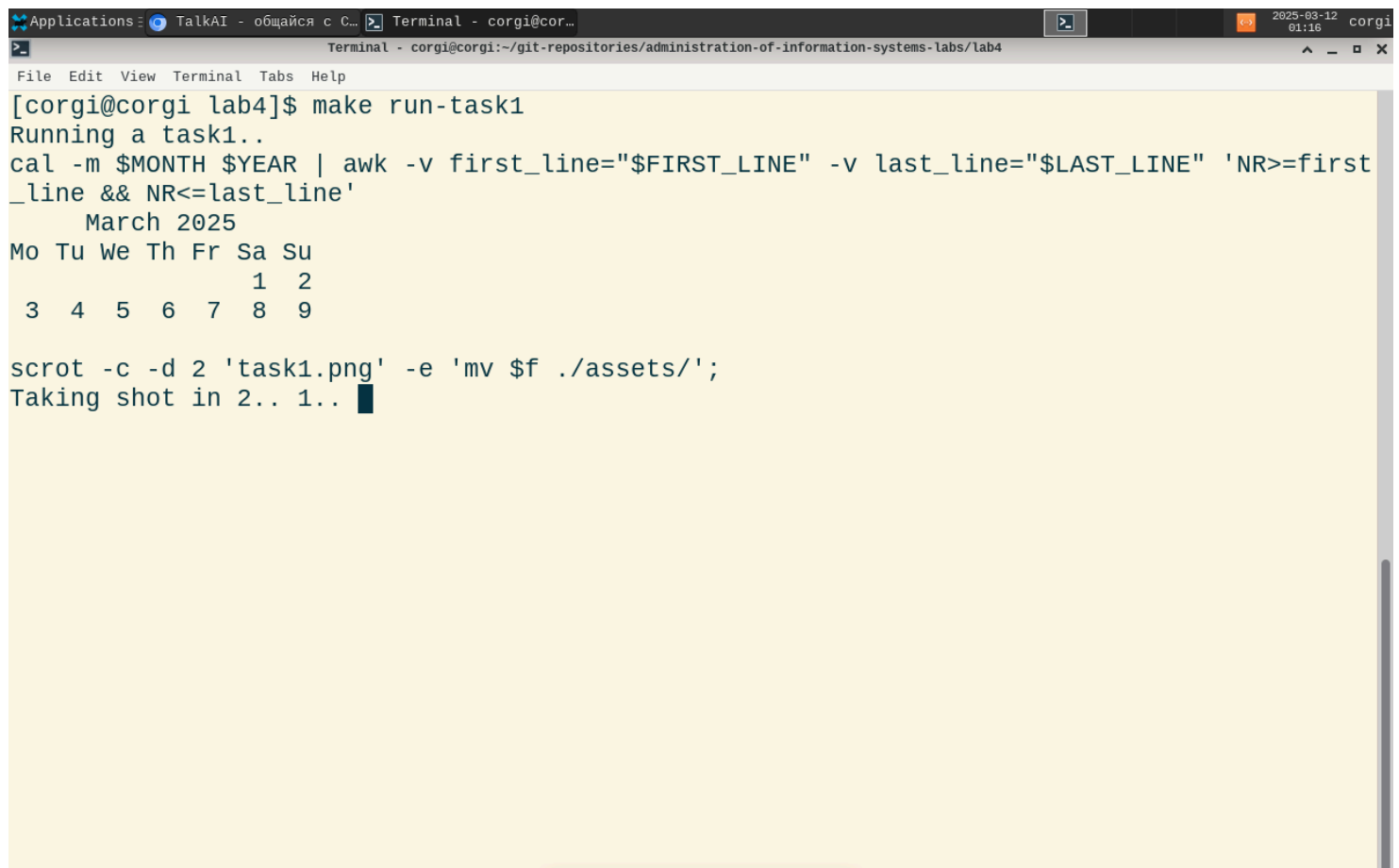
Вывести календарь на первую неделю марта. Используйте *cal* (Рис. 1).

```
#!/bin/bash

declare -i YEAR=2025
declare -i MONTH=3
declare -i FIRST_LINE=1
declare -i LAST_LINE=4

set -v
cal -m $MONTH $YEAR | awk -v first_line="$FIRST_LINE" -v last_line="$LAST_LINE"
'NR>=first_line && NR<=last_line'

scrot -c -d 2 'task1.png' -e 'mv $f ./assets/';
```

A screenshot of a terminal window titled "Terminal - corgi@cor...". The terminal shows the execution of a script. The first command is "make run-task1", which outputs "Running a task1..". Then, the command "cal -m \$MONTH \$YEAR | awk -v first\_line=\"\$FIRST\_LINE\" -v last\_line=\"\$LAST\_LINE\" 'NR>=first\_line && NR<=last\_line'" is executed, resulting in the output "March 2025" followed by a calendar grid for the first week of March 2025. The grid shows days of the week (Mo, Tu, We, Th, Fr, Sa, Su) and dates (1, 2, 3, 4, 5, 6, 7, 8, 9). Finally, the command "scrot -c -d 2 'task1.png' -e 'mv \$f ./assets/';" is executed, and the terminal shows "Taking shot in 2.. 1..".

```
Applications: TalkAI - общайся с C... Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[corgi@corgi lab4]$ make run-task1
Running a task1..
cal -m $MONTH $YEAR | awk -v first_line="$FIRST_LINE" -v last_line="$LAST_LINE" 'NR>=first
_line && NR<=last_line'
    March 2025
Mo Tu We Th Fr Sa Su
                1  2
 3  4  5  6  7  8  9

scrot -c -d 2 'task1.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 1: Задание 1.

## Задание 2

Найти файлы в домашней папке, изменённые за последний час (Рис. 2).

```
#!/bin bash

declare OUTPUT_DIR_NAME=outputs/task2
declare OUTPUT_FILE_NAME=output.csv
```

```
declare OUTPUT_FILE=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME

set -v
find $HOME -type f -mmin -60 -ls | awk '{printf "%s,%s,%s,%s\n", $8, $9, $10, $11}' >
$OUTPUT_FILE

scrot -c -d 2 'task2.png' -e 'mv $f ./assets/';
```

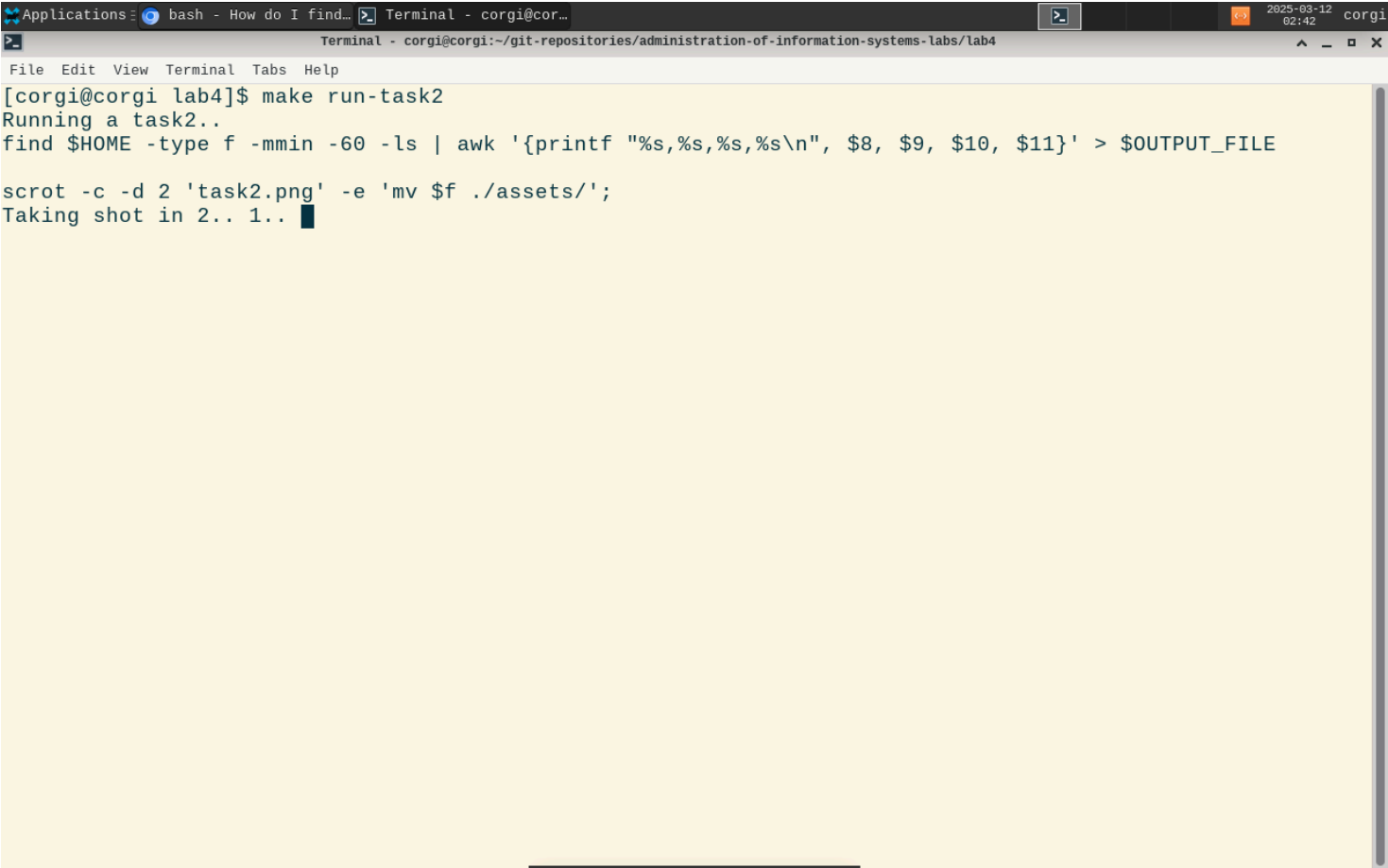


Рис. 2: Задание 2.

Mar	12	02:31	/home/corgi/.vim/.netrw/whist
Mar	12	03:08	/home/corgi/.xsession-errors
Mar	12	03:01	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\

[illegible]

Mar	12	03:00	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Code\
Mar	12	02:48	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/29ab45573cdcb004_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/916b328bcd1f7a6_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ee53f98e99e68d41_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1fa3ad593f6eeacc_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/81671c72fca97db4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c8d7616221bd391a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4fa5a6c332aa7816_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ce2dd57ac217ddc4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4e7d89ccb928a2d8_0
Mar	12	03:06	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/index-dir/the-real-index
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/b1669acce8df8c81_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6472655b95347b5d_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6dedbb487b140d7b_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/911df975a1d18059_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/93d81321f8c35eab_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/87f2a7892dcbbfe5_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/612016acbe5d54bb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a7f3aa54f6884a69_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/b9794ef6dfc232fd_0
Mar	12	02:30	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/3337ce33a4a8c60f_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/471d052dcc7f75a1_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6872f0d20534b606_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6b5f4daa82782df8_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c8c99db24b99a80c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/667ad6a305910ccd_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/f53cbf17c1832e10_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/92cb7dbad2a4b9c3_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/21b93cdb3e5edf21_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/58d82b284d174b5b_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/36ffef5ba52f0cb8_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ebe39ae0d9789c96_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4564f75c4647b068_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/2d1b489f80325186_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5c45a748912b99cf_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/94b530554ccb0884_0

Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d3c191ef8438c8f9_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a6fb6d589485fd38_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e49b9e3ffd3bf2bc_0
Mar	12	02:31	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/690ea4eba82f6b16_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a073f06e529a1d2e_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5f9cb2b2c2db1131_0
Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6ddcf9fab3720722_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d2903ea367abd3ae_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/679ed006abbb1192_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a5a517e04e558af0_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6804dded029ad032_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/23d27df44ba4d2ed_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fc5f76e3614d5dc0_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5852f7c22902d690_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fb760be848070bbb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/7b131f63d887afd5_0
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Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fa9a79238fd40d13_0
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Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/09b72636db5f0bbc_0
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Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ea8e4c1a8bb7db66_0
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Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/60b20871a1c7be51_0
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Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a0a0207bb63741da_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/bddf87b029f5bac5_0
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Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/449c89fc8949764f_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a539415201db28c4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/9bf634f44d140c1a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/eddcac6454cd9272_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/17e60ab3186bd7a0_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/97f93f8e62292ce1_0
Mar	12	03:03	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e00ba5a4d0bb9b64_0
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fc335388c069b5b6_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0ea692ae03c5c91a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/461e67bf68004c10_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d187440b04d850dc_0
Mar	12	02:37	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6e334665f936e5fb_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1b06c447485b1d3d_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a39fd0d9cbd5fb12_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ff6404f136602986_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/3d2295db4f2594ab_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0c66b3c5ced459dd_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8cc06c1e6f9176e1_0
Mar	12	02:24	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e6f8f682e3dfce67_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c868d378ae7ba597_0

Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/1cde315ed0c0e72a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4699bc9d88fc5733_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/d5a4a9f7bd6b109d_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/84f913e8a0d73a5c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c55bf789c224e684_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ffbe49a4cff494e6_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0b8790bfdda8e967_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/32ce8cd7bb1dcf8a_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/fd3c5240bf6369a5_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4f1853cdaed3d620_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e536ff6f9b38ef84_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ec29a75a1f46342a_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/29d9b2b8be049406_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8d5f3cf6be1b8eb4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/742a308fcb99e8f4_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0450bdbf32e36667_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/94d8ae340f4edf8b_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/7b86d5ad40d7d532_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/5b6ad234caa35bec_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/2aabfa1adc414521_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/6c5178a40703f7dc_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/0b62f3705ca7065e_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/81b8eb68e6cff4cd_0
Mar	12	03:00	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/e85ac8952d7783d7_0
Mar	12	02:25	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/30282d9a0fcb2291_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/bf28526e84a61df9_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/8eda2dffbf4f5e014_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a9c840e4ea1b4bd8_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/cf65c5c103a12e8c_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/965b7f8a5c06bd4f_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/f1076f09e2042e15_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a068b7980367616e_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/34041029ce18de15_0
Mar	12	02:43	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/4fe391139777a517_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/a807c6e52353bca1_0
Mar	12	02:55	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/35d784417b9a63f6_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/178f24351ff19404_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/918318f4920eb852_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/ce6ed7ee833cf9d1_0
Mar	12	02:23	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c5a20defb7fbc593_0
Mar	12	02:22	/home/corgi/.cache/chromium/Default/Cache/Cache_Data/c90a700ba1a45d5d_0

[illegible]

Mar	12	03:00	/home/corgi/.config/chromium/GraphiteDawnCache/index
Mar	12	03:07	/home/corgi/.config/chromium/GraphiteDawnCache/data_1
Mar	12	03:07	/home/corgi/.config/chromium/Crash\
Mar	12	03:02	/home/corgi/.config/chromium/segmentation_platform/ukm_db-wal
Mar	12	03:00	/home/corgi/.config/chromium/first_party_sets.db
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/manifest.fingerprint
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/manifest.json
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/LICENSE
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/_metadata/ verified_contents.json
Mar	12	03:01	/home/corgi/.config/chromium/CertificateRevocation/9608/crl-set
Mar	12	03:01	/home/corgi/.config/chromium/component_crx_cache/ jfllookgnkcckhobaglnidicnbbgbonegd_1.63868a769fa0a0d9b29403d397874e07c21258dc176528c
Mar	12	03:01	/home/corgi/.config/chromium/component_crx_cache/ hfnkpimlhghieaddgfemjhofmfbmnib_1.f281499b97567554bfb5d8c6956d475cbb47260d8087c
Mar	12	03:00	/home/corgi/.config/chromium/Last\
Mar	12	03:00	/home/corgi/.config/chromium/Variations
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/manifest.fingerprint
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/safety_tips.pb
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/manifest.json
Mar	12	03:01	/home/corgi/.config/chromium/SafetyTips/3065/_metadata/verified_contents.json
Mar	12	03:00	/home/corgi/.config/chromium/first_party_sets.db-journal
Mar	12	03:07	/home/corgi/.config/chromium/DeferredBrowserMetrics/ BrowserMetrics-67D0D05B-5154.pma
Mar	12	03:00	/home/corgi/.config/chromium/WidevineCdm/latest-component-updated-widevine-cdm
Mar	12	03:00	/home/corgi/.config/chromium/Default/Web\
Mar	12	02:24	/home/corgi/.config/chromium/Default/Favicons-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/Session\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Session\
Mar	12	03:00	/home/corgi/.config/chromium/Default/AutofillStrikeDatabase/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/History-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/SCT\
Mar	12	03:04	/home/corgi/.config/chromium/Default/passkey_enclave_state
Mar	12	03:00	/home/corgi/.config/chromium/Default/Download\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Service\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Service\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Web\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Visited\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Shortcuts
Mar	12	03:00	/home/corgi/.config/chromium/Default/commerce_subscription_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/BrowsingTopicsState

Mar	12	03:00	/home/corgi/.config/chromium/Default/optimization_guide_hint_cache_store/LOG
Mar	12	03:03	/home/corgi/.config/chromium/Default/Reporting\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Cookies-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/TransportSecurity
Mar	12	03:00	/home/corgi/.config/chromium/Default/PersistentOriginTrials/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/GPUCache/data_0
Mar	12	03:00	/home/corgi/.config/chromium/Default/GPUCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/GPUCache/data_1
Mar	12	03:02	/home/corgi/.config/chromium/Default/DIPS-shm
Mar	12	02:24	/home/corgi/.config/chromium/Default/Local\
Mar	12	02:24	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Local\
Mar	12	03:08	/home/corgi/.config/chromium/Default/Sessions/Session_13386211240577860
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Tabs_13386200304061375
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Session_13386208985694219
Mar	12	03:00	/home/corgi/.config/chromium/Default/Sessions/Tabs_13386211241740089
Mar	12	03:00	/home/corgi/.config/chromium/Default/discounts_db/LOG
Mar	12	03:07	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:01	/home/corgi/.config/chromium/Default/Network\
Mar	12	03:03	/home/corgi/.config/chromium/Default/Reporting\
Mar	12	02:23	/home/corgi/.config/chromium/Default/WebStorage/4/CacheStorage/index.txt
Mar	12	02:23	/home/corgi/.config/chromium/Default/WebStorage/4/IndexedDB/ indexeddb.leveldb/LOG
Mar	12	02:33	/home/corgi/.config/chromium/Default/WebStorage/4/IndexedDB/ indexeddb.leveldb/000004.log
Mar	12	03:01	/home/corgi/.config/chromium/Default/WebStorage/QuotaManager
Mar	12	03:01	/home/corgi/.config/chromium/Default/WebStorage/QuotaManager-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/File\
Mar	12	03:03	/home/corgi/.config/chromium/Default/DIPS-wal
Mar	12	02:24	/home/corgi/.config/chromium/Default/Favicons
Mar	12	02:23	/home/corgi/.config/chromium/Default/Shared\
Mar	12	02:23	/home/corgi/.config/chromium/Default/Shared\
Mar	12	03:00	/home/corgi/.config/chromium/Default/DawnWebGPUCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/DawnWebGPUCache/data_1
Mar	12	03:08	/home/corgi/.config/chromium/Default/Preferences
Mar	12	03:00	/home/corgi/.config/chromium/Default/parcel_tracking_db/LOG

Mar	12	03:00	/home/corgi/.config/chromium/Default/Sync\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Extension\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Segmentation\
Mar	12	03:00	/home/corgi/.config/chromium/Default/DIPS
Mar	12	03:00	/home/corgi/.config/chromium/Default/chrome_cart_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/trusted_vault.pb
Mar	12	03:00	/home/corgi/.config/chromium/Default/ClientCertificates/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/Cookies
Mar	12	03:00	/home/corgi/.config/chromium/Default/Shortcuts-journal
Mar	12	03:00	/home/corgi/.config/chromium/Default/GCM\
Mar	12	03:08	/home/corgi/.config/chromium/Default/History
Mar	12	03:00	/home/corgi/.config/chromium/Default/Site\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Site\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Feature\
Mar	12	03:00	/home/corgi/.config/chromium/Default/Feature\
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/metadata/000003.log
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/metadata/LOG
Mar	12	03:08	/home/corgi/.config/chromium/Default/shared_proto_db/000003.log
Mar	12	03:00	/home/corgi/.config/chromium/Default/shared_proto_db/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/DawnGraphiteCache/index
Mar	12	03:07	/home/corgi/.config/chromium/Default/DawnGraphiteCache/data_1
Mar	12	03:00	/home/corgi/.config/chromium/Default/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/BudgetDatabase/LOG
Mar	12	03:00	/home/corgi/.config/chromium/Default/SharedStorage-wal
Mar	12	03:00	/home/corgi/.config/chromium/GrShaderCache/index
Mar	12	03:07	/home/corgi/.config/chromium/GrShaderCache/data_1
Mar	12	03:08	/home/corgi/.config/chromium/Local\
Mar	12	03:00	/home/corgi/.config/chromium/ShaderCache/index
Mar	12	03:07	/home/corgi/.config/chromium/ShaderCache/data_1
Mar	12	02:59	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/plots/ pictures/task3.png
Mar	12	02:59	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/plots/ gnuplot-files/task3.p
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ assets/task2.png
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ assets/task3.png
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/ outputs/task3/source_end.dat

Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_whole.dat
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_begin.data
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_whole.data
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_end.data
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task3/source_begin.dat
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/outputs/task2/output.csv
Mar	12	02:42	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/report/report.typ
Mar	12	02:51	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/Makefile
Mar	12	03:07	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task3/main.sh
Mar	12	03:08	/home/corgi/git-repositories/administration-of-information-systems-labs/lab4/src/task2/main.sh

### Задание 3

Найти слово *source* внутри всех файлов в папке */usr/src/* (Рис. 3, Рис. 4).

```
#!/bin/bash
```

```
declare TARGET_DIR=/usr/src/
declare OUTPUT_DIR_NAME=outputs/task3
declare OUTPUT_FILE_NAME_1=source_begin.dat
declare OUTPUT_FILE_NAME_2=source_whole.dat
declare OUTPUT_FILE_NAME_3=source_end.dat
declare OUTPUT_FILE_1=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_1
declare OUTPUT_FILE_2=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_2
declare OUTPUT_FILE_3=$OUTPUT_DIR_NAME/$OUTPUT_FILE_NAME_3
declare TEMP_FILE=file.txt
```

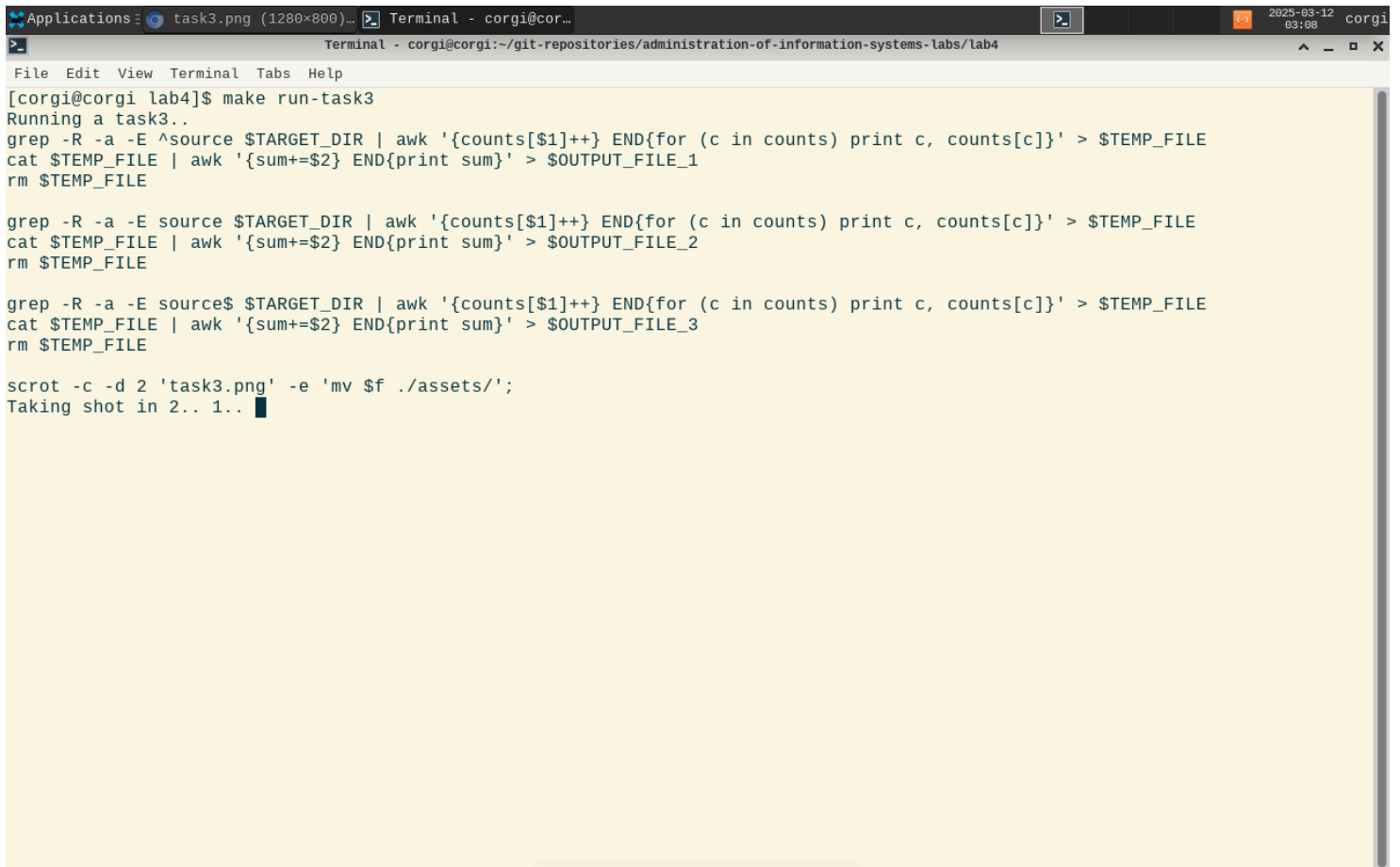
```
set -v
grep -R -a -E ^source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_1
rm $TEMP_FILE
```

```
grep -R -a -E source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_2
rm $TEMP_FILE
```

```
grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
```

```
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_3
rm $TEMP_FILE

scrot -c -d 2 'task3.png' -e 'mv $f ./assets/';
```



```
Applications task3.png (1280x800) Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[corgi@corgi lab4]$ make run-task3
Running a task3..
grep -R -a -E ^source $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_1
rm $TEMP_FILE

grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_2
rm $TEMP_FILE

grep -R -a -E source$ $TARGET_DIR | awk '{counts[$1]++} END{for (c in counts) print c, counts[c]}' > $TEMP_FILE
cat $TEMP_FILE | awk '{sum+=$2} END{print sum}' > $OUTPUT_FILE_3
rm $TEMP_FILE

scrot -c -d 2 'task3.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 3: Задание 3.



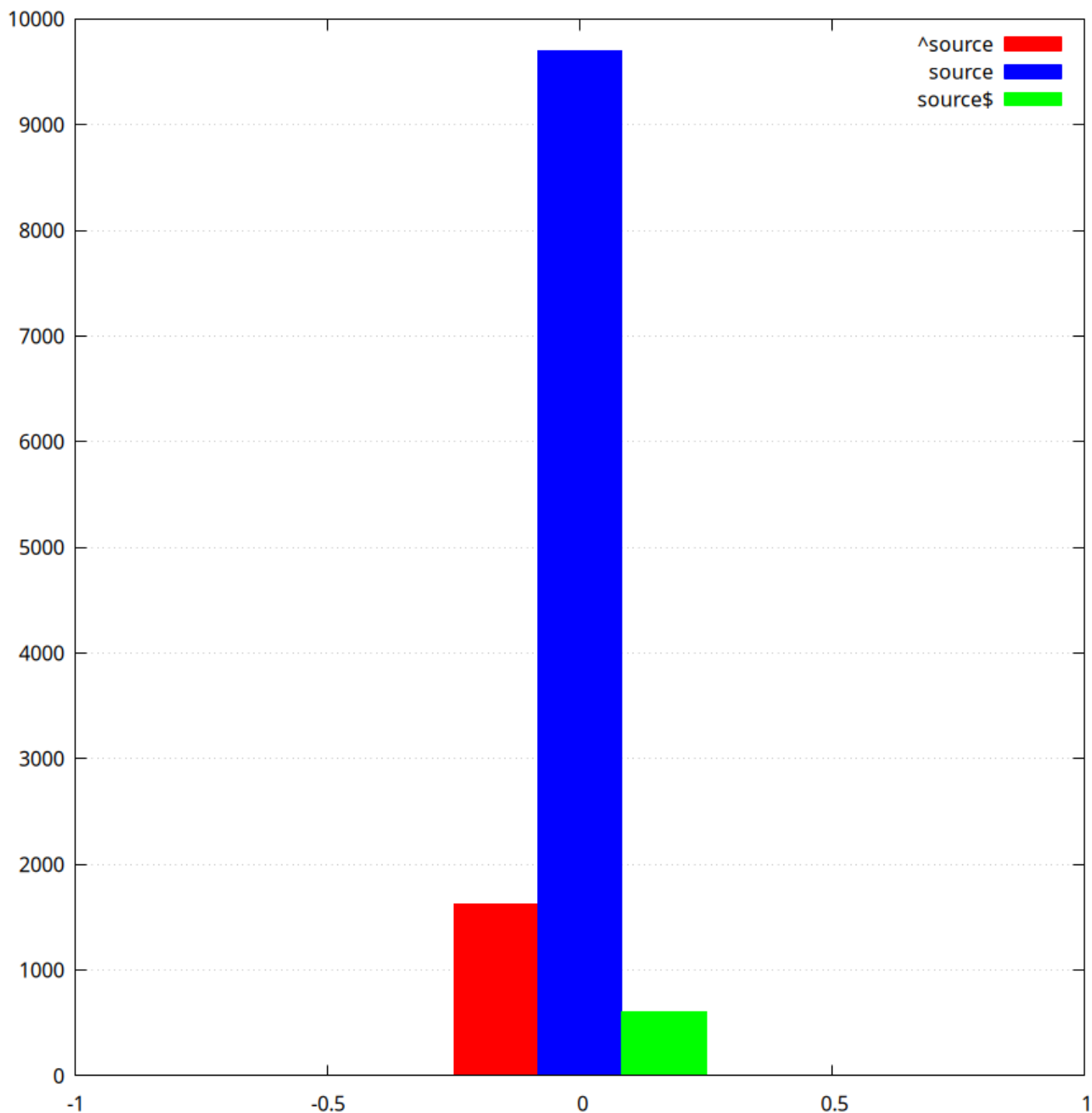


Рис. 4: Задание 3.

## Задание 4

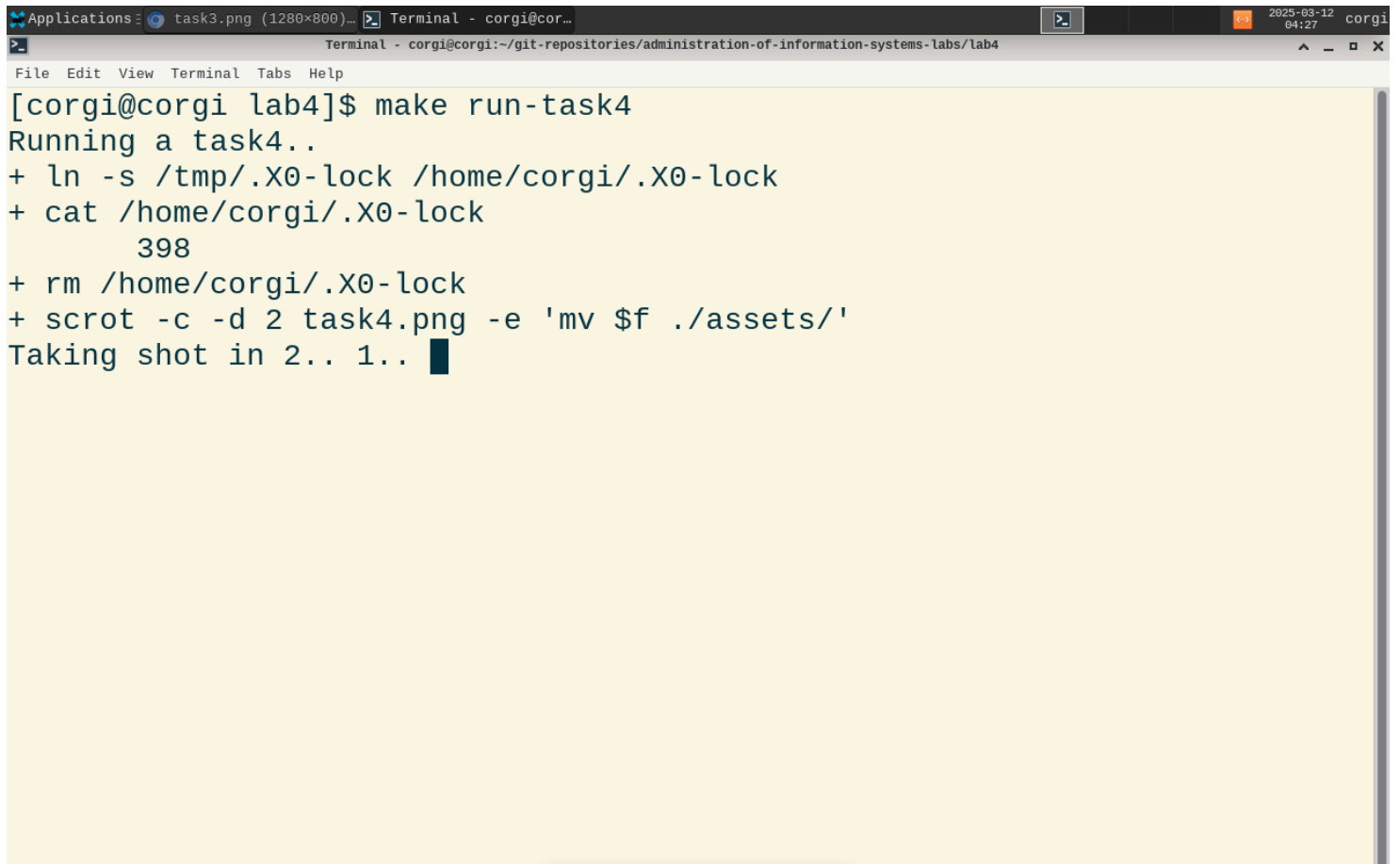
Сделать мягкую ссылку на файл `/tmp/.X0-lock` в домашней папке. Прочитайте содержимое файла через ссылку. Удалите мягкую ссылку (Рис. 5).

```
#!/bin/bash

declare FOLDER_NAME=/tmp
declare FILE_NAME=.X0-lock
declare FILE=$FOLDER_NAME/$FILE_NAME
declare TARGET_FOLDER_NAME=$HOME
declare TARGET_FILE=$TARGET_FOLDER_NAME/$FILE_NAME
```

```
set -x
ln -s $FILE $TARGET_FILE
cat $TARGET_FILE
rm $TARGET_FILE

scrot -c -d 2 'task4.png' -e 'mv $f ./assets/';
```



```
Applications: task3.png (1280x800)... Terminal - corgi@cor...
Terminal - corgi@corgi:~/git-repositories/administration-of-information-systems-labs/lab4
File Edit View Terminal Tabs Help
[corgi@corgi lab4]$ make run-task4
Running a task4..
+ ln -s /tmp/.X0-lock /home/corgi/.X0-lock
+ cat /home/corgi/.X0-lock
    398
+ rm /home/corgi/.X0-lock
+ scrot -c -d 2 task4.png -e 'mv $f ./assets/'
Taking shot in 2.. 1.. █
```

Рис. 5: Задание 4.

## Задание 5

Одной командой найти все файлы в `/usr/lib` с именем из 12 букв, и вывести их содержимое в единый файл `~/superdebug` (Рис. 6).

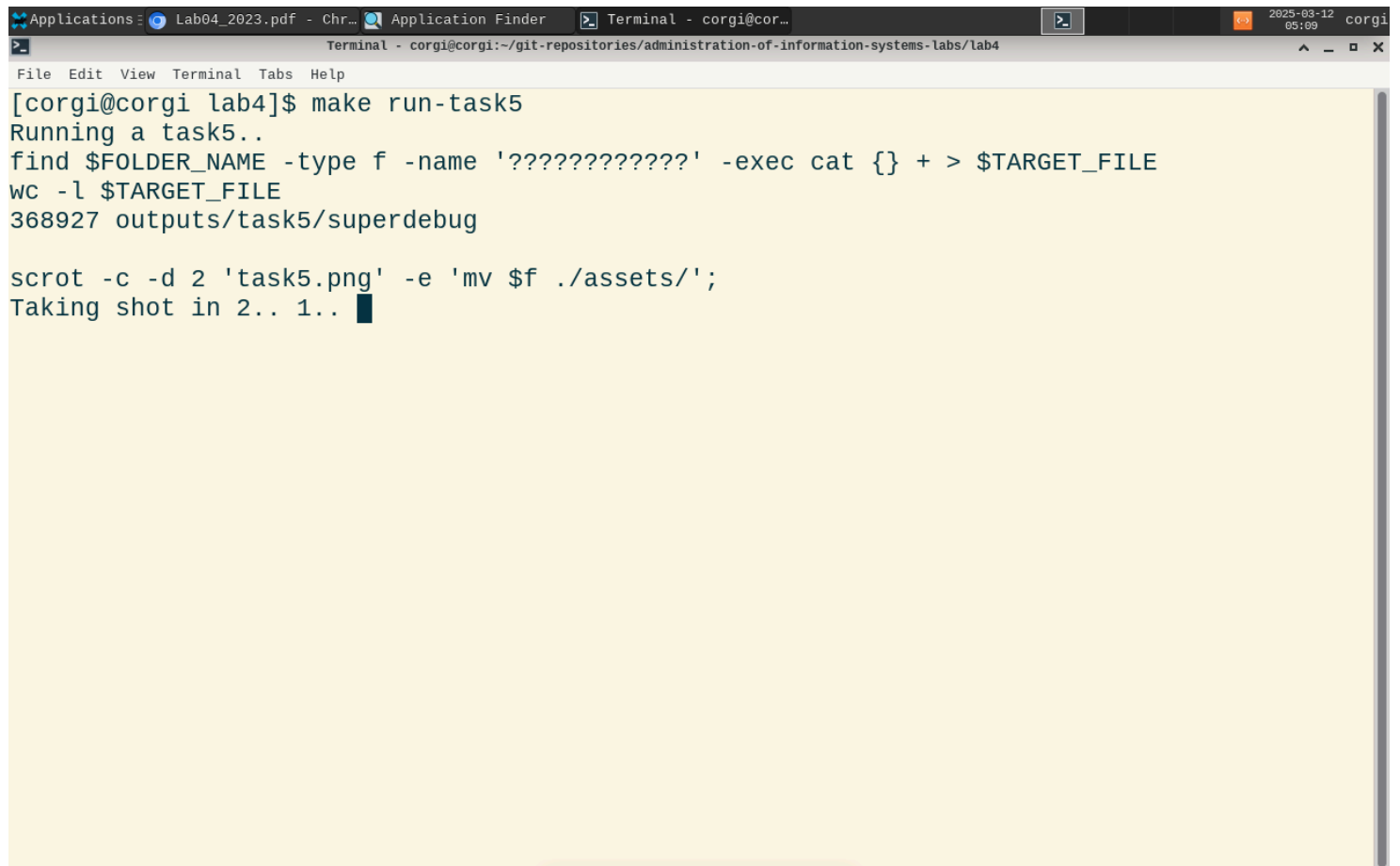
```
#!/bin/bash

declare FOLDER_NAME=/usr/lib
declare TARGET_FOLDER_NAME=outputs/task5
declare TARGET_FILE_NAME=superdebug
declare TARGET_FILE=$TARGET_FOLDER_NAME/$TARGET_FILE_NAME

set -v
find $FOLDER_NAME -type f -name '????????????' -exec cat {} + > $TARGET_FILE
wc -l $TARGET_FILE

scrot -c -d 2 'task5.png' -e 'mv $f ./assets/';
```

(Рис. 6)



```
[corgi@corgi lab4]$ make run-task5
Running a task5..
find $FOLDER_NAME -type f -name '?????????????' -exec cat {} + > $TARGET_FILE
wc -l $TARGET_FILE
368927 outputs/task5/superdebug

scrot -c -d 2 'task5.png' -e 'mv $f ./assets/';
Taking shot in 2.. 1..
```

Рис. 6: Задание 5.