

## Zadanie 5.1

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ rm -rf * && rm -rf .* && git clone https://github.com/Yohop/algo-mat.git .
Cloning into '.'...
remote: Enumerating objects: 25, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (17/17), done.
remote: Total 25 (delta 8), reused 25 (delta 8), pack-reused 0 (from 0)
Receiving objects: 100% (25/25), done.
Resolving deltas: 100% (8/8), done.

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
○ $
```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
$ git restore main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
○ $
```

Odkomentowana linia 16 powróciła do wersji wcześniejszej i została ponownie zakomentowana

```
13
14 int main()
15 {
16     // printf("Hello, World!");
17     printf("%d\n", signum(-5));
18     printf("%d\n", signum(0));
19     printf("%d\n", signum(5));
20
21     int n = 6;

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

with --pathspec-from-file, pathspec elements are separated with NUL character

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
$ git restore --staged main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
$ git restore main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
$
```

Po wpisaniu polecenia: `git restore --staged main.c`

Nic widocznego się nie zmieniło w pliku `main.c`, jednak po wykonaniu polecenia `git restore main.c`, dana linijka 16 powróciła do stanu pierwotnego.

## Zadanie 5.2

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit -m "Sprawdzenie działania diwisibility"
[divisibility 5143d5b] Sprawdzenie działania diwisibility
1 file changed, 2 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
5143d5b (HEAD -> divisibility) Sprawdzenie działania diwisibility
e2457e3 (origin/divisibility) Funkcja divisibility

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit --amend -m "Sprawdzenie działania divisibility"
[divisibility 1382336] Sprawdzenie działania divisibility
Date: Mon Apr 14 22:11:49 2025 +0200
1 file changed, 2 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
1382336 (HEAD -> divisibility) Sprawdzenie działania divisibility
e2457e3 (origin/divisibility) Funkcja divisibility

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit --amend --no-edit
[divisibility 71a7073] Sprawdzenie działania divisibility
Date: Mon Apr 14 22:11:49 2025 +0200
1 file changed, 3 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
71a7073 (HEAD -> divisibility) Sprawdzenie działania divisibility
e2457e3 (origin/divisibility) Funkcja divisibility

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

## Zadanie 5.3

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git stash
Saved working directory and index state WIP on divisibility: 027acef Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

Zmiany znikają z pliku (wraca stan z ostatniego commita)

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git stash pop
On branch divisibility
Your branch is behind 'origin/divisibility' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   main.c

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (233bf222a9179c4723b181e704404e5f0babdf3e)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

zmiany wracają do pliku

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git stash
Saved working directory and index state WIP on divisibility: 027acef Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
• $ git stash pop
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   main.c

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (4552f3765812319da0eae185abdcfd0ccb9ad3a6)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
○ $
```

Linijka została przeniesiona z divisibility na master bez commitów

## Zadanie 5.4

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git add power.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git commit -m "Funkcja power"
[power 107f24d] Funkcja power
1 file changed, 12 insertions(+)
create mode 100644 power.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git commit -m "Sprawdzenie działania power"
[power a5f0d56] Sprawdzenie działania power
1 file changed, 4 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git log --oneline --graph
* a5f0d56 (HEAD -> power) Sprawdzenie działania power
* 107f24d Funkcja power
* b02a263 (origin/power) Pierwszy commit
```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git log master --oneline --graph
* 027acef (origin/quick-sort, origin/master, origin/HEAD, master, divisibility) Sprawdzenie działania quick sort
* fce5871 Sortowanie quick sort
* c1f4900 (origin/signum) Sprawdzenie działania signum
* e013361 Funkcja signum
* b02a263 (origin/power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
⊗ $ git merge master
Auto-merging main.c
CONFLICT (content): Merge conflict in main.c
Automatic merge failed; fix conflicts and then commit the result.

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power|MERGING)
● $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power|MERGING)
● $ git merge --continue
[power 3ad83e5] Merge branch 'master' into power
```

```

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git log --oneline --graph
* 3ad83e5 (HEAD -> power) Merge branch 'master' into power
| \
| * 027acef (origin/quick-sort, origin/master, origin/HEAD, master, divisibility) Sprawdzenie działania quick sort
| * fce5871 Sortowanie quick sort
| * c1f4900 (origin/signum) Sprawdzenie działania signum
| * e013361 Funkcja signum
| * a5f0d56 Sprawdzenie działania power
| * 107f24d Funkcja power
| * 3ad83e5 (HEAD -> power) Merge branch 'master' into power
| \
| * 027acef (origin/quick-sort, origin/master, origin/HEAD, master, divisibility) Sprawdzenie działania quick sort
| * fce5871 Sortowanie quick sort
| * c1f4900 (origin/signum) Sprawdzenie działania signum
| * e013361 Funkcja signum
| * a5f0d56 Sprawdzenie działania power
| * 107f24d Funkcja power
| \
| * 3ad83e5 (HEAD -> power) Merge branch 'master' into power
| \
| * 027acef (origin/quick-sort, origin/master, origin/HEAD, master, divisibility) Sprawdzenie działania quick sort
| * fce5871 Sortowanie quick sort
| * c1f4900 (origin/signum) Sprawdzenie działania signum
| * e013361 Funkcja signum
| * a5f0d56 Sprawdzenie działania power
| * 107f24d Funkcja power
| \
| * b02a263 (origin/power) Pierwszy commit

```

```

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git merge power
Updating 027acef..3ad83e5
Fast-forward
 main.c | 7 ++++++
 power.c | 12 ++++++++
 2 files changed, 19 insertions(+)
 create mode 100644 power.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git log --oneline --graph
* 3ad83e5 (HEAD -> master, power) Merge branch 'master' into power
| \
| * 027acef (origin/quick-sort, origin/master, origin/HEAD, divisibility) Sprawdzenie działania quick sort
| * fce5871 Sortowanie quick sort
| * c1f4900 (origin/signum) Sprawdzenie działania signum
| * e013361 Funkcja signum
| * a5f0d56 Sprawdzenie działania power
| * 107f24d Funkcja power
| \
| * b02a263 (origin/power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
○ $

```

## Zadanie 5.6

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
• $ git checkout divisibility
Switched to branch 'divisibility'
Your branch is behind 'origin/divisibility' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit -m "Sprawdzenie działania divisibility"
[d9a9c84] Sprawdzenie działania divisibility
1 file changed, 4 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
d9a9c84 (HEAD -> divisibility) Sprawdzenie działania divisibility
027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git reset --soft HEAD^

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
027acef (HEAD -> divisibility, origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort
fce5871 Sortowanie quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

## Zadanie 5.7

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git checkout divisibility
Already on 'divisibility'
Your branch is behind 'origin/divisibility' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit -m "Sprawdzenie działania divisibility"
[e49857e] Sprawdzenie działania divisibility
1 file changed, 3 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
e49857e (HEAD -> divisibility) Sprawdzenie działania divisibility
027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git reset --mixed HEAD^
Unstaged changes after reset:
M      main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

## Commit został usunięty z historii

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
027acef (HEAD -> divisibility, origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort
fce5871 Sortowanie quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git checkout main.c
Updated 1 path from the index

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

## Zadanie 5.8

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
$ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git commit -m "Sprawdzenie działania divisibility"
[divisibility 1ce1902] Sprawdzenie działania divisibility
1 file changed, 2 insertions(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
1ce1902 (HEAD -> divisibility) Sprawdzenie działania divisibility
027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git reset --hard HEAD^
HEAD is now at 027acef Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```

Commit został usunięty z historii, oraz zmiany w pliku main.c zostały utracone

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git status
On branch divisibility
Your branch is behind 'origin/divisibility' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

nothing to commit, working tree clean

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
027acef (HEAD -> divisibility, origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort
fce5871 Sortowanie quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git reset --hard ORIG_HEAD
HEAD is now at 1ce1902 Sprawdzenie działania divisibility

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log -2 --oneline
1ce1902 (HEAD -> divisibility) Sprawdzenie działania divisibility
027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $
```



## Zadanie 5.9

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
$ git checkout power
Switched to branch 'power'
Switched to branch 'power'
Your branch is ahead of 'origin/power' by 8 commits.
  (use "git push" to publish your local commits)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git add power.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git commit -m "Funkcja power"
[power 551e839] Funkcja power
 1 file changed, 6 insertions(+), 8 deletions(-)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git commit -m "Sprawdzenie działania power"
[power aea89ed] Sprawdzenie działania power
 1 file changed, 1 insertion(+)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git log --oneline
aea89ed (HEAD -> power) Sprawdzenie działania power
551e839 Funkcja power
dfd08d7 Funkcja power
3ad83e5 Merge branch 'master' into power
a5f0d56 (master) Sprawdzenie działania power
107f24d Funkcja power
027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort
```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git rebase -i HEAD~2
Successfully rebased and updated refs/heads/power.

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git log --oneline --graph
* aea89ed (HEAD -> power) Sprawdzenie działania power
* 551e839 Funkcja power
* dfd08d7 Funkcja power
* 3ad83e5 Merge branch 'master' into power
| \
| * 027acef (origin/quick-sort, origin/master, origin/HEAD) Sprawdzenie działania quick sort
| * fce5871 Sortowanie quick sort
| * c1f4900 (origin/signum) Sprawdzenie działania signum
| * e013361 Funkcja signum
* | a5f0d56 (master) Sprawdzenie działania power
* | 107f24d Funkcja power
|/
* b02a263 (origin/power) Pierwszy commit
```



```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git show
commit aea89edaa617c78f3963f8f830e164d11147ff90 (HEAD -> power)
Author: ReviloX23 <68096816+ReviloX23@users.noreply.github.com>
Date: Tue Apr 15 00:00:58 2025 +0200

    Sprawdzenie działania power

diff --git a/main.c b/main.c
index 7044d1a..55929e5 100644
--- a/main.c
+++ b/main.c
@@ -19,6 +19,7 @@ void print_array(int arr[], int n)

int main()
{
+
    printf("%d\n", power(2, 10));
    // printf("Hello, World!");
    printf("%d\n", signum(-5));

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git reset --hard origin/power
HEAD is now at b02a263 Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
○ $
```

## Zadanie 5.10

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
● $ git log --oneline
b02a263 (HEAD -> power, origin/power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (power)
$ git checkout c1f4900
● Note: switching to 'c1f4900'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at c1f4900 Sprawdzenie działania signum

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat ((c1f4900...))
$ git checkout master
● Previous HEAD position was c1f4900 Sprawdzenie działania signum
Switched to branch 'master'
Your branch and 'origin/master' have diverged,
and have 2 and 4 different commits each, respectively.
    (use "git pull" if you want to integrate the remote branch with yours)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git checkout e013361
Note: switching to 'e013361'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at e013361 Funkcja signum

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat ((e013361...))
○ $
```

```

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat ((2fddefd...))
$ git log --oneline
● 2fddefd (HEAD) Nowy commit
e013361 Funkcja signum
b02a263 (origin/power, power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat ((2fddefd...))
$ git checkout -b nowa-galaz
● Switched to a new branch 'nowa-galaz'

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (nowa-galaz)
● $ git log --oneline
2fddefd (HEAD -> nowa-galaz) Nowy commit
e013361 Funkcja signum
b02a263 (origin/power, power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (nowa-galaz)
● $ git checkout master
Switched to branch 'master'
Your branch and 'origin/master' have diverged,
and have 2 and 4 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git branch -D nowa-galaz
Deleted branch nowa-galaz (was 2fddefd).

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git reset --hard origin/master
HEAD is now at 027acef Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
○ $ 

```

## Zadanie 5.11

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
● $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
⊗ $ git commit -m "Sprawdzenie działania divisibility"
On branch divisibility
Your branch and 'origin/divisibility' have diverged,
and have 1 and 1 different commits each, respectively.

nothing to commit, working tree clean

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
● $ git branch -a
* divisibility
  master
  power
remotes/origin/HEAD -> origin/master
remotes/origin/divisibility
remotes/origin/insertion-sort
remotes/origin/master
remotes/origin/power
remotes/origin/quick-sort
remotes/origin/signum

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
● $ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
⊗ $ git branch -d divisibility
error: the branch 'divisibility' is not fully merged
hint: If you are sure you want to delete it, run 'git branch -D divisibility'
hint: Disable this message with "git config set advice.forceDeleteBranch false"

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
● $ git branch -D divisibility
Deleted branch divisibility (was 1ce1902).
```

```

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
• $ git branch -a
* master
  power
  remotes/origin/HEAD -> origin/master
  remotes/origin/divisibility
  remotes/origin/insertion-sort
  remotes/origin/master
  remotes/origin/power
  remotes/origin/quick-sort
  remotes/origin/signum

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (master)
$ git checkout divisibility
• branch 'divisibility' set up to track 'origin/divisibility'.
Switched to a new branch 'divisibility'

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git reset --hard origin/master

HEAD is now at 027acef Sprawdzenie działania quick sort

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
○ $ █

```

## Zadanie 5.12

```

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility|REVERTING)
$ git log --oneline
• 027acef (HEAD -> divisibility, origin/quick-sort, origin/master, origin/HEAD, master) Sprawdzenie działania quick sort
  fce5871 Sortowanie quick sort
  c1f4900 (origin/signum) Sprawdzenie działania signum
  e013361 Funkcja signum
  b02a263 (origin/power, power) Pierwszy commit

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility|REVERTING)
• $ git revert c1f4900
error: Reverting is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: revert failed

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility|REVERTING)
• $ git add main.c

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility|REVERTING)
• $ git revert --continue
[divisibility a7c9509] Revert "Sprawdzenie działania signum"
  1 file changed, 4 insertions(+), 2 deletions(-)

oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibility)
• $ git log --oneline
  a7c9509 (HEAD -> divisibility) Revert "Sprawdzenie działania signum"
  027acef (origin/quick-sort, origin/master, origin/HEAD, master) Sprawdzenie działania quick sort
  fce5871 Sortowanie quick sort
  c1f4900 (origin/signum) Sprawdzenie działania signum
  e013361 Funkcja signum

```

```
oliwe@LAPTOP-VJF8BV6U MINGW64 ~/OneDrive/Pulpit/gitzadania/algo-mat (divisibil
$ git show c1f4900
commit c1f490069ae0b95268de59deea561b244b7099ae (origin/signum)
Author: student <student@ur.edu.pl>
Date: Sat Nov 23 15:12:35 2024 +0100

    Sprawdzienie działania signum

diff --git a/main.c b/main.c
index fa2f4bf..8c953b2 100644
--- a/main.c
+++ b/main.c
commit c1f490069ae0b95268de59deea561b244b7099ae (origin/signum)
Author: student <student@ur.edu.pl>
Date: Sat Nov 23 15:12:35 2024 +0100

    Sprawdzienie działania signum

diff --git a/main.c b/main.c
index fa2f4bf..8c953b2 100644
--- a/main.c
+++ b/main.c
commit c1f490069ae0b95268de59deea561b244b7099ae (origin/signum)
Author: student <student@ur.edu.pl>
Date: Sat Nov 23 15:12:35 2024 +0100

    Sprawdzienie działania signum
```