☰   🔍 (https://profile.intra.42.fr/searches)   **dsaripap**

(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT COMPUTORV1 (/PROJECTS/COMPUTORV1)

You should evaluate 1 student in this team

★

Git repository

`git@vogsphere-v2.codan`   📋

Introduction

So that this grading goes well, we're asking you :

- To be courteous, polite, respectful, constructive during this exchange. The bridge of trust between the 42 community and you depends on it.

- To prove any possible dysfunctions in front of the person (or group) being graded.

- To accept that sometimes there are differences of interpretation of the requirements in the subject or the scope of expected functionality. Keep an open mind to the perspective of the person being graded (are they right or wrong?), and grade as honestly as possible.

Good luck on your defense!

Guidelines

REMEMBER THAT YOU CAN ONLY CORRECT WHAT HAS BEEN SUBMITTED IN THE STUDENT'S REPOSITORY.
To do this, run "git clone" on their repository, and correct what is there.
If the corrector hasn't don't the project yet, the corrector will need to read

the entire subject before starting this defense.

Attachments

⬜ Subject (https://cdn.intra.42.fr/pdf/pdf/5614/computorv1.en.pdf)

Preliminaries

Preliminary Instructions

Check the following elements first:

- That something has been turned in (in the git repo).

- No cheating; the student must be able to explain their code.

- If the program is written in a compilable language, there's a Makefile at least the rules all, re, and clean. If an element of this list is not respected, the grader stops there. Use the appropriate flag. You are encouraged to continue to debate the project, but the rating scale is not applicable.

    ☑ Yes   ✕ No

First section

Mandatory Part

Existence of reduced equation

Does the program takes an equation as a parameter on standard
input and show the results in reduced form? Is it correct?

    ☑ Yes   ✕ No

Reduced-form equation

In the reduced equation, are the powers are shown until the last non-zero
power, one time, and is one of the two sides of the equation zero?

    ☑ Yes   ✕ No

Input handling

Try multiple properly-formatted inputs with potential complexities (coefficient of zero, negative numbers, fractions ...).
Does the program handle them? (No crash or calculation errors, no infinite loops...).
IMPORTANT: If you have responded 'no' to one of these three questions, the defense ends here.

✓ Yes   ✕ No

Degree 0 (special case 0) Equations

Enter a possible equation (for example, "5 * X^0 = 5 * X^0"). Does the program tell you that all real numbers are the solution? Enter an impossible equation (for example, "4 * X^0 = 8 * X^0"). Does the program tell you that there are no solutions?

✓ Yes   ✕ No

Degree 1 (Linear) Equations

Enter a linear equation (for example: "5.5 * X^0 = 4 * X^0 + 7.2 * X^1"). Does the program show you the solution to the equation? Try a couple different equations.

✓ Yes   ✕ No

Degree 2 (quadratic) Equations - positive discriminant

Try a quadratic equation with a positive discriminant (for example: "5 * X^0 + 13.1 * X^1 + 3 * X^2 = 1 * X^0 + 1 * X^1"). Does the program show you that it is has a positive discriminant? Does the program show you two solutions? Are they right? Try a couple of different equations.

✓ Yes   ✕ No

Degree 2 (quadratic) Equations - discriminant of zero

Enter a Degree 2 (quadratic) equation with a negative discriminant (for example: "5 * X^0 + 3 * X^1 + 3 * X^2 = 1 * X^0 + 0 * X^1"). Does the program show you that the equation has a negative discriminant? Does it show you two complex solutions? Are they right? Try a couple of equations.

✓ Yes   ✕ No

Equations de degré 2 après réduction - Discriminant strictement négatif

Entrez une équation de degré deux avec un discriminant strictement négatif (par exemple: "5 * X^0 + 3 * X^1 + 3 * X^2 = 1 * X^0 + 0 * X^1").
Le programme vous affiche bien qu'elle a un discriminant strictement négatif ?
Le programme vous affiche bien deux solutions complexes? Ce sont les bonnes ? Faites plusieurs essais.
Le résultat doit bien sûr être présenté sous la forme α + β*i.

✓ Yes   ✕ No

Degree 3+ Equations

Enter an equation of Degree 3 or more. The program should refuse to solve the equation. If the program solves it, award points even so, and make a small gasp of admiration, but in either case, the program can't crash.

✓ Yes   ✕ No

Bonus

Bonus Part

Handling of naturally formated input

Is the program capable of handling naturally formatted input?
* A coefficient alone ("4") is treated as a factor of X^0.
* An X alone is considered to have a coefficient of 1 and an exponent of 1.
* A missing exponent ("4 * X") is considered to be 1.
* A missing coefficient ("X^6") is considered to be 1.
* Operands can be input in arbitrary order regardless of exponential power; multiple operands of the same power may also appear in arbitrary order.

✓ Yes   ✕ No

Second bonus

Appropriate handling of input errors (lexical and syntactical).
Displays results as irreducible fractions, when applicable.
Displays intermediate steps.
Etc...

Rate it from 0 (failed) through 5 (excellent)

◯

Ratings

Don't forget to check the flag corresponding to the defense

✔ Ok   ★ Outstanding project

📄 Empty work   📄 Incomplete work   💬 No author file   💀 Invalid compilation   📓 Norme

🖥 Cheat   ☠ Crash   ⊘ Forbidden function

Conclusion

Leave a comment on this evaluation

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Finish evaluation

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