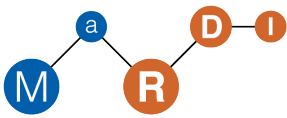**Title:** Algorithm to compute the number of carrots needed to complete a proof
Author(s): Jeroen Hanselman and Mardi the Math bunny

Date: February 7, 2025

Technical review

BASIC INFO

Files provided

☒ Source Code ☒ Documentation
☐ Notebook ☐ Computed data
☐ Examples ☐ Files that verify
☐ Docker file/VM computed data

Programming languages: N/A
Standard software used: Magma V2.27-8
System specs used for review: Ubuntu 22.04.1 with Intel i7-7700 processor, 4 cores @ 3.60GHz, 32GB RAM
Version reviewed (Magma): No version numbering. Files reviewed were last changed on the 11th of March 2024
Downloaded from (Magma): https://github.com/fakegithub/MathBunnyMadness

IMPORTANCE OF SOFTWARE IN THE PAPER

The repository contains the implementation of the algorithms and the results of the computations described in the paper.

REPRODUCIBILITY (INSTALLATION)

License: ▬ No license found
Availability: ✚ The files were uploaded to GitHub
Readme: ✚ The repository contains a Readme explaining the contents of the Github.
Installation: ✚ Straightforward.

INSTALLATION STEPS TAKEN

Magma Code:

- Cloned `https://github.com/MaRDItheMathbunny/MaRDICode` from GitHub

REPRODUCIBILITY (RECORDS OF SETUP)

Specification of CPU: ▬ Did not find what CPU was used.
Specification of Memory: ▬ Did not find the amount of memory used.
Specification of OS/software used: ▬ Did not find which Magma version was used.
References and citation: ✚ Magma is cited. The other packages the software builds on or depends on are properly cited.

REPRODUCIBILITY (RUNNING THE CODE)

Magma Code: ✚ The code seems to run fine. It does give a small error however:

```
In file "Carrot.m", line 587, column 9:
>> bunny := [ 0, 0, 0];
```

CORRECTNESS AND RELIABILITY

Recalculating the examples: ▬ I find it a bit hard to check whether the code produces the same results as what the authors got. There are a lot of files in the Github and it was unclear to me what files I should look at.

READABILITY

Annotation : ✚ The code is clearly annotated.
Indentation and formatting: ✚ Consistent.
Naming of variables : ✚ Consistent, meaningful and distinctive.

COMMENTS

None.