

Experiment ‘p_1_7’ Results

December 18, 2025

Experiment outcome: SUCCESS

Bad responses: 0

Responses containing assume : 0

Resolution attempts: 1

Hard fails (resolution): 0

Soft fails (resolution): 0

Verification attempts: 1

Problem Specification

Problem name: p_1_7

Natural language statement: Write a method that returns a face in ASCII art.

Method signature: p_1_7() returns (s : string)

Ensures

- s == " / / / / \n + " " " " " + \n (| o o |) \n | ^ | \n | ‘ - ’ | \n + - - - + \n "

GenAI interactions

Below you will find all interactions between the ‘user’ (program) and the ‘assistant’ (OpenAI).

Program → GenAI

You are given the following task to perform in Dafny:

Write a method that returns a face in ASCII art.

The signature should be:

```
method p_1_7() returns (s : string)
```

The method should respect the following contract:

```
ensures s == " /////\n +\"\\\"\\\"\\\"+\n(| o o |)\n | ^ |\n | ' - |\n +----+\n"
```

Produce and show only the Dafny body of this method, including the curly braces that
→ surround it. Do not show the signature nor contract. You must not use 'assume'
→ anywhere in your code.

GenAI → Program

System fingerprint:

ID: chatmpl-Co4M7uDzWhzzdgh6cKDukaT8W5rj4

Model: gpt-5.1-chat-latest

Created at: 1766049179

Finish reason: stop

Usage: 296 tokens in, and 196 tokens out

```
{ s := " /////\n +\"\\\"\\\"\\\"+\n(| o o |)\n | ^ |\n | ' - |\n +----+\n"; }
```

Final Program

```
method p_1_7() returns (s : string)
  ensures s == " /////\n +\"\\\"\\\"\\\"+\n(| o o |)\n | ^ |\n | ' - |\n +----+\n"
{ s := " /////\n +\"\\\"\\\"\\\"+\n(| o o |)\n | ^ |\n | ' - |\n +----+\n"; }
```

Total Token Usage

Input tokens: 296

Output tokens: 196

Reasoning tokens: 128

Sum of ‘total tokens’: 492

Experiment Timings

Overall Experiment started at 1766049180796, ended at 1766049185078, lasting 4282ms (4.28 seconds)
Iteration #1 started at 1766049180796, ended at 1766049185078, lasting 4282ms (4.28 seconds)