Experiment 'p_1_9' 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_9
Natural language statement: Write a method that returns a house in ASCII art.
Method signature: p_1_9() returns (s : string)

Ensures

- `s == " +\n + +\n + +\n+-----+\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 house in ASCII art.

The signature should be:

method p_1_9() returns (s : string)

The method should respect the following contract:

ensures s == " +\n + +\n + +\n+-----+\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: chatcmpl-Co4MGJ6jMxX75fbOl9E9KKHurpE2L
Model: gpt-5.1-chat-latest
Created at: 1766049188
Finish reason: stop
Usage: 292 tokens in, and 127 tokens out

```
{
  s := " +\n + +\n + +\n+-----+\n|  .-.  |\n| | | |\n+-+-+-+\n";
}
```

Final Program

```
method p_1_9() returns (s : string)
        ensures s == " +\n + +\n + +\n+-----+\n|  .-.  |\n| | | |\n+-+-+-+\n"
{
  s := " +\n + +\n + +\n+-----+\n|  .-.  |\n| | | |\n+-+-+-+\n";
}
```

Total Token Usage

Input tokens: 292
Output tokens: 127
Reasoning tokens: 64
Sum of 'total tokens': 419

Experiment Timings

Overall Experiment started at 1766049190180, ended at 1766049193070, lasting 2890ms (2.89 seconds)
Iteration #1 started at 1766049190180, ended at 1766049193070, lasting 2890ms (2.89 seconds)