

Experiment ‘p_1_5’ 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_5

Natural language statement: Write a method that returns the name Dave inside a box on the screen.
Do your best to approximate lines with characters such as | - +.

Method signature: p_1_5() returns (s : string)

Ensures

- s == "+-----+\n| Dave |\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 the name Dave inside a box on the screen. Do your best to
→ approximate lines with characters such as | - +.

The signature should be:

```
method p_1_5() returns (s : string)
```

The method should respect the following contract:

```
ensures s == "+-----+\n| Dave |\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-Co4Ly2EE7UcPQdUrNnUrc9PPtZXq9

Model: gpt-5.1-chat-latest

Created at: 1766049170

Finish reason: stop

Usage: 286 tokens in, and 106 tokens out

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

Final Program

```
method p_1_5() returns (s : string)
    ensures s == "+-----+\n| Dave |\n-----+\n"
{
    s := "+-----+\n| Dave |\n-----+\n";
}
```

Total Token Usage

Input tokens: 286

Output tokens: 106

Reasoning tokens: 64

Sum of ‘total tokens’: 392

Experiment Timings

Overall Experiment started at 1766049171097, ended at 1766049175176, lasting 4079ms (4.08 seconds)
Iteration #1 started at 1766049171098, ended at 1766049175176, lasting 4078ms (4.08 seconds)