

Experiment 'p_1_6' 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_6

Natural language statement: Write a method that returns the name Harry in large letters.

Method signature: p_1_6() returns (s : string)

Ensures

- `s == "* * * ***** * *\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 the name Harry in large letters.

The signature should be:

method p_1_6() returns (s : string)

The method should respect the following contract:

```
ensures s == "* * * ***** ***** * *\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-Co4M2r5LeMth2I2iZg4pzXC6QASB8

Model: gpt-5.1-chat-latest

Created at: 1766049174

Finish reason: stop

Usage: 396 tokens in, and 239 tokens out

```
{  
  s := "* * * ***** ***** * *\n* * * * * * * * *\n***** * * ***** ***** * *\n* *  
↪ ***** * * * * *\n* * * * * * * * *";  
}
```

Final Program

```
method p_1_6() returns (s : string)  
  ensures s == "* * * ***** ***** * *\n* * * * * * * * *\n***** * * ***** ***** * *\n* *  
↪ *\n* * ***** * * * * *\n* * * * * * * * *"  
{  
  s := "* * * ***** ***** * *\n* * * * * * * * *\n***** * * ***** ***** * *\n* *  
↪ ***** * * * * *\n* * * * * * * * *";  
}
```

Total Token Usage

Input tokens: 396

Output tokens: 239

Reasoning tokens: 128

Sum of 'total tokens': 635

Experiment Timings

Overall Experiment started at 1766049175835, ended at 1766049180112, lasting 4277ms (4.28 seconds)

Iteration #1 started at 1766049175840, ended at 1766049180112, lasting 4272ms (4.27 seconds)