

# Experiment ‘p\_1\_1’ 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\_1

**Natural language statement:** Write a method that returns the greeting "Hugo".

**Method signature:** p\_1\_1() returns (s : string)

### Ensures

- s == "Hugo"

## 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 greeting "Hugo".

The signature should be:

```
method p_1_1() returns (s : string)
```

The method should respect the following contract:

```
ensures s == "Hugo"
```

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-Co4LdRR3VxcriRVTsN4rLmZlDqQEd

**Model:** gpt-5.1-chat-latest

**Created at:** 1766049149

**Finish reason:** stop

**Usage:** 232 tokens in, and 29 tokens out

```
{  
    s := "Hugo";  
}
```

### Final Program

```
method p_1_1() returns (s : string)  
    ensures s == "Hugo"  
{  
    s := "Hugo";  
}
```

### Total Token Usage

**Input tokens:** 232

**Output tokens:** 29

**Reasoning tokens:** 0

**Sum of ‘total tokens’:** 261

## Experiment Timings

**Overall Experiment** started at 1766049150828, ended at 1766049154121, lasting 3293ms (3.29 seconds)  
**Iteration #1** started at 1766049150831, ended at 1766049154120, lasting 3289ms (3.29 seconds)