

# Experiment ‘p\_1\_10’ 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\_10

**Natural language statement:** Write a method that returns an animal speaking a greeting in ASCII art.

**Method signature:** p\_1\_10() returns (s : string)

### Ensures

- s == " /\\_\\_/\\_\\_ /---\\\\n ( ' ' ) / Hello \\\\n ( - ) | New \\n | | | \\\ Coder \\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 an animal speaking a greeting in ASCII art.

The signature should be:

```
method p_1_10() returns (s : string)
```

The method should respect the following contract:

```
ensures s == " /\_\/\ \ /---\\n ( ' ' ) / Hello \\n ( - ) | New |\\n | | | \\ Coder /\\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-Co4MK08KKHXMsaAy0889GKO5zReU

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

**Created at:** 1766049192

**Finish reason:** stop

**Usage:** 336 tokens in, and 790 tokens out

```
{  
    s := " /\_\/\ \ /---\\n ( ' ' ) / Hello \\n ( - ) | New |\\n | | | \\ Coder /\\n ( __|__ )  
    → \\----/\\n";  
}
```

## Final Program

```
method p_1_10() returns (s : string)  
    ensures s == " /\_\/\ \ /---\\n ( ' ' ) / Hello \\n ( - ) | New |\\n | | | \\ Coder /\\n ( __|__ )  
    → \\----/\\n"  
{  
    s := " /\_\/\ \ /---\\n ( ' ' ) / Hello \\n ( - ) | New |\\n | | | \\ Coder /\\n ( __|__ )  
    → \\----/\\n";  
}
```

## Total Token Usage

**Input tokens:** 336

**Output tokens:** 790

**Reasoning tokens:** 704

**Sum of ‘total tokens’:** 1126

## Experiment Timings

**Overall Experiment** started at 1766049193764, ended at 1766049203653, lasting 9889ms (9.89 seconds)

**Iteration #1** started at 1766049193764, ended at 1766049203653, lasting 9889ms (9.89 seconds)