```
   ↪ answer. If finding an answer is required, the solution
   ↪ should present the answer, and it should also be a rigorous
   ↪ proof of that answer being valid.

Please evaluate the solution and score it according to the
   ↪ following criteria:
- If the solution is completely correct, with all steps executed
   ↪ properly and clearly demonstrated, then the score is 1
- If the solution is generally correct, but with some details
   ↪ omitted or minor errors, then the score is 0.5
- If the solution does not actually address the required problem,
   ↪  contains fatal errors, or has severe omissions, then the
   ↪ score is 0
- Additionally, referencing anything from any paper does not save
   ↪  the need to prove the reference. It's okay IF AND ONLY IF
   ↪ the solution also presents a valid proof of the reference
   ↪ argument(s); otherwise, if the solution omits the proof or
   ↪ if the proof provided is not completely correct, the
   ↪ solution should be scored according to the criteria above,
   ↪ and definitely not with a score of 1

Please carefully reason out and analyze the quality of the
   ↪ solution below, and in your final response present a
   ↪ detailed evaluation of the solution's quality followed by
   ↪ your score. Therefore, your response should be in the
   ↪ following format:

Here is my evaluation of the solution:
... // Your evaluation here. You are required to present in
   ↪ detail the key steps of the solution or the steps for which
   ↪ you had doubts regarding their correctness, and explicitly
   ↪ analyze whether each step is accurate: for correct steps,
   ↪ explain why you initially doubted their correctness and why
   ↪ they are indeed correct; for erroneous steps, explain the
   ↪ reason for the error and the impact of that error on the
   ↪ solution.

Based on my evaluation, the final overall score should be:
\\boxed{{...}} // where ... should be the final overall score (0,
   ↪  0.5, or 1, and nothing else) based on the above criteria

---

Here is your task input:

## Problem
{question}

## Solution
{proof}
```

### A.3. Meta-Verification Prompt

```
You are given a "problem", "solution", and "solution evaluation",
   ↪  and you need to assess the whether this "solution
```