### Question

Determine whether the references are the source paper of the Query. **Query**: Title: Wide Activation for Efficient and Accurate Image Super-Resolution. Abstract: In this report we demonstrate that with same

Resolution. Abstract: In this report we demonstrate that with same parameters ...

**Reference-1**: Title: Enhanced Deep Residual Networks for Single Image Super-Resolution. Abstract: Recent research on super-resolution has progressed with the development ···

**Reference Paper-2**: Title: Balanced Two-Stage Residual Networks for Image Super-Resolution. Abstract: In this paper, balanced two-stage residual networks are proposed …

Reference Paper-3: · · ·

# Examples

Example

Retrieval

Here are some examples that you can refer to:

Query Paper: Title: temporal fetch streaming. Abstract: L1 instruction-cache misses pose a critical performance bottleneck instruction

Reference Paper-1: Title: Trace cache: a low latency approach to high bandwidth instruction fetching. Abstract: As the issue width of superscalar processors is increased, instruction fetch ··· Label: not-ref-source

Reference Paper-2: Title: Trace scheduling: a technique for global microcode compaction. Abstract: Microcode compaction is the conversion of sequential microcode into efficient parallel microcode. Label: ref-source

# Few-shot CoT Prompt

Determine whether the references are the source paper of the Query.

**Query**: Title: Wide Activation for Efficient and Accurate Image Super-Resolution. Abstract: In this report we demonstrate that with same parameters ...

**Reference-1**: Title: Enhanced Deep Residual Networks for Single Image Super-Resolution. Abstract: Recent research ···

**Reference Paper-2**: Title: Balanced Two-Stage Residual Networks for Image Super-Resolution. Abstract: In this paper, balanced ...

# Reference Paper-3: ···

Here are some examples that you can refer to:

**Query Paper**: Title: temporal fetch streaming. Abstract: L1 instruction-cache misses pose a critical performance bottleneck instruction

**Reference Paper-1**: Title: Trace cache: a low latency approach to high bandwidth instruction fetching. Abstract: As the issue width of superscalar processors is increased, instruction fetch ··· Label: not-ref-source

Reasoning Steps: While both papers deal with improving instruction-fetch

**Reference Paper-2**: Title: Trace scheduling: a technique for global microcode compaction. Abstract: Microcode compaction is the conversion of sequential microcode into efficient parallel microcode. **Label**: ref-source **Reasoning Steps**: While both papers deal with improving instruction...



Need Explicit steps



Textual Overload



Sequential Reasoning

### Ouestion

Determine whether the references are the source paper of the Query. **Query**: Title: Wide Activation for Efficient and Accurate Image Super-Resolution. Abstract: In this report we demonstrate that with same ... **Reference-1**: Title: Enhanced Deep Residual Networks for Single Image

**Reference-1**: Title: Enhanced Deep Residual Networks for Single Image Super-Resolution. Abstract: Recent research on super-resolution has  $\cdots$ 

**Reference Paper-2**: Title: Balanced Two-Stage Residual Networks for Image Super-Resolution. Abstract: In this paper, balanced two-stage residual networks are proposed …

Reference Paper-3: · · ·

Example Retrieval

redefined Aspects: Goal, Method, Idea .

### Examples

Here are some examples that you can refer to:

**Query Paper**: Title: temporal fetch streaming. Abstract: L1 instruction-cache misses pose a critical performance bottleneck instruction

**Reference Paper-1**: Title: Trace cache: a low latency approach to high bandwidth instruction fetching. Abstract: As the issue width of superscalar processors is increased, instruction fetch ··· Label: not-ref-source

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# Adaptive BoT Strategy-1 Strategy-2 Strategy\*

Reasoning

Demonstration

Generator

**Branch Reasoning** 

Demonstrations

## - Optimal Prompts

Determine whether the references are the source paper of the Query. When reasoning, you should identify the specific aspects and discuss their relationship:

# 1. Methodology ··· 2. Experimental Design ··· 3. Idea ···

**Query**: Title: Wide Activation for Efficient and Accurate Image Super-Resolution. Abstract: In this report we demonstrate that with same ...

**Reference-1**: Title: Enhanced Deep Residual Networks for Single Image Super-Resolution. Abstract: Recent research on super-resolution has ···

**Reference Paper-2**: Title: Balanced Two-Stage Residual Networks for Image Super-Resolution. Abstract: In this paper, ...

Reference Paper-3: ···

# ABRP

Determine whether the references are the source paper of the Query. When reasoning, you should identify the specific aspects and discuss their relationship:

**Query**: Title: Wide Activation for Efficient and Accurate Image Super-Resolution. Abstract: In this report we demonstrate that with same ...

**Methodology**: Assign a score {0, 1, 2} to assess whether it adopts or expands the method introduced in the Reference.

**Reasoning Steps:** The Query introduces a new framework, Defense-GAN, which leverages generative models, thus adopting the methodology. Consequently, the score is 2. However, the other references discuss existing methods... Thus, the score is 0.

**Idea**: Assign A score {0, 1, 2} to evaluate if the Query's idea, motivation or core concept are inspired by the Reference.

**Reasoning Steps:** The core idea of the Query is inspired by ... attacks on classifiers, which resonates with the findings in the Reference about ... Thus, the score is 2. However, the other references do not provide an idea that influences the motivation. Consequently, the score is 0.



Adaptive Prompts



Concise Reasoning Steps



Branch Reasoning