Problem Chosen	2024 MCM/ICM Summary Sheet	Team Control Number
ABCDEF		2400609

Shortest Path Algorithms: Taxonomy and Advance in Research

my summary

Contents

1 Introduction

test

1.1 Overview

test

1.2 Restatement of the Problem

- develop a model to

1.3 Our Work

- develop a model to

2 Notations and asssumptions

2.1 Notations

Symbols	Description
1	2

2.2 Assumptions

to simplify the problem

- **Assumption 1:**The number of
  Justification: We assume

3 ... Model

Definition 3.1. *Niche width is the range of resources that a species can use.*

Niche width is an indicator [1]

Algorithm 1 An algorithm with caption

Require: $n \geq 0$
Ensure: $y = x^n$
  $y \leftarrow 1$
  $X \leftarrow x$
  $N \leftarrow n$
  while $N \neq 0$ **do**
    if N is even **then**
      $X \leftarrow X \times X$
      $N \leftarrow \frac{N}{2}$ ▷ This is a comment
    else if N is odd **then**
      $y \leftarrow y \times X$
      $N \leftarrow N - 1$
    end if
  end while

3.1 Model Overview

4 Robustness Analysis

5 Strength and Weaknesses

5.1 Strengths

tableofcontents

5.2 Weaknesses

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References

[1] Alice Axford, Bob Birkin, Charlie Copper, and Danny Dannford. Demostration of bibliography items. *Journal of TEXperts*, 36(7):114–120, Mar 2013.

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A.1 1

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A.1.1 1

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1 test

1 test

B report on Use of AI

no use