Problem Chosen	2023	Team Control Number
CEF	**MCM/ICM** **Summary Sheet**	000000

OUR TITLE
Our Title

Summary

Keywords:

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1 Introduction

1.1 Background

1.2 Restatement of the Problem

problem 1 text

1.3 Our Work
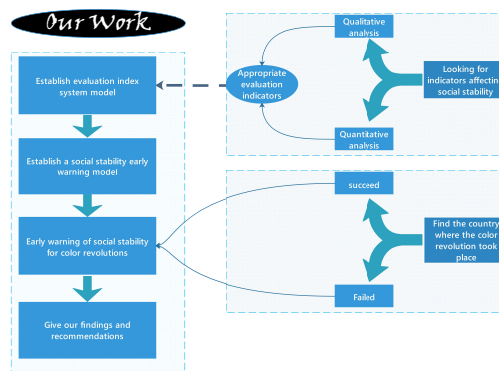
☑

Here's our work:

Figure 1: Our Work

2 Assumptions and Notations

2.1 Assumptions

To simplify our model, this paper makes following basic assumption, each of which is properly justified.

- We assume that
  ↪ **Justification:** Justification

2.2 Notations

Notations that we use in the model are shown in the Table 1:

Table 1: Notations

Symbol	Description	Unit
A_i	Level 1 indicators	-

3 Establishment of Our Model

3.1 Model I

Step 1

4 Solution For Problem One

5   Analysis and Promotion of Our Model

5.1   Sensitivity Analysis of Our Model

5.2   Strengths and Weaknesses

Our research is basically based on the predecessors, and there are some improvements and shortcomings as follows:

5.2.1   Strengths

5.2.2   Weaknesses

5.3   Future Work

$\mathcal{MEMO}$

To: MCM/ICM organizing committee
From: Team 000000
Date: February 13, 2023
Subject:

THE

- *Keep a firm grip on the local media to prevent public opinion from getting out of control. There is no substitute for the role of the media in regime change, and its entry into and occupation of a country's position of public opinion can help to bring down that country's regime. For the ruling party, therefore, to give ground. That means the beginning of the loss of power, public opinion out of control, not much time.*

Algorithm 1: Simulation-optimization heuristic

Data: current period t, initial inventory I_{t-1}, initial capital B_{t-1}, demand samples
Result: Optimal order quantity Q_t^*

1 $r \leftarrow t$;
2 $\Delta B^* \leftarrow -\infty$;
3 **while** $\underline{\Delta B \leq \Delta B^*}$ and $\underline{r \leq T}$ **do**
4     $Q \leftarrow \arg\max_{Q \geq 0} \Delta B_{t,r}^Q(I_{t-1}, B_{t-1})$;
5     $\Delta B \leftarrow \Delta B_{t,r}^Q(I_{t-1}, B_{t-1})/(r-t+1)$;
6   **if** $\underline{\Delta B \geq \Delta B^*}$ **then**
7        $Q^* \leftarrow Q$;
8        $\Delta B^* \leftarrow \Delta B$;
9   **end**
10    $r \leftarrow r+1$;
11 **end**

References

[1] Chômage au sens du BIT et indicateurs sur le marché du travail (résultats de lenquête emploi) (BIT) - troisième trimestre 2022.

Appendix