EEI PROJECT 1 REPORT

Group 1

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Agenda

- Describe the scenario.

- Analyze the **As-Is and To-Be** process with 2 process re-engineering techniques

- Compare the performance via INCOME

- **Develop a website**

Company Logo

Introduction

- Farmers have long relied on wholesaler to buy all or most of their crops, and then wholesaler resells crops to retailers ,and finally retailers resold to consumers.

- This sales model through the layers of barriers before finally to the consumer.

- For farmers, the cost of production is high, but there is not much profit. For consumers, the source of vegetables is not clear, the price is high.

- We will integrate it into a platform we have established between farmers and consumers.

TOC

1.Find the bottleneck of the system is that the wholesalers acquisition system.

2.We will integrate it into a platform we have established between farmers and consumers.

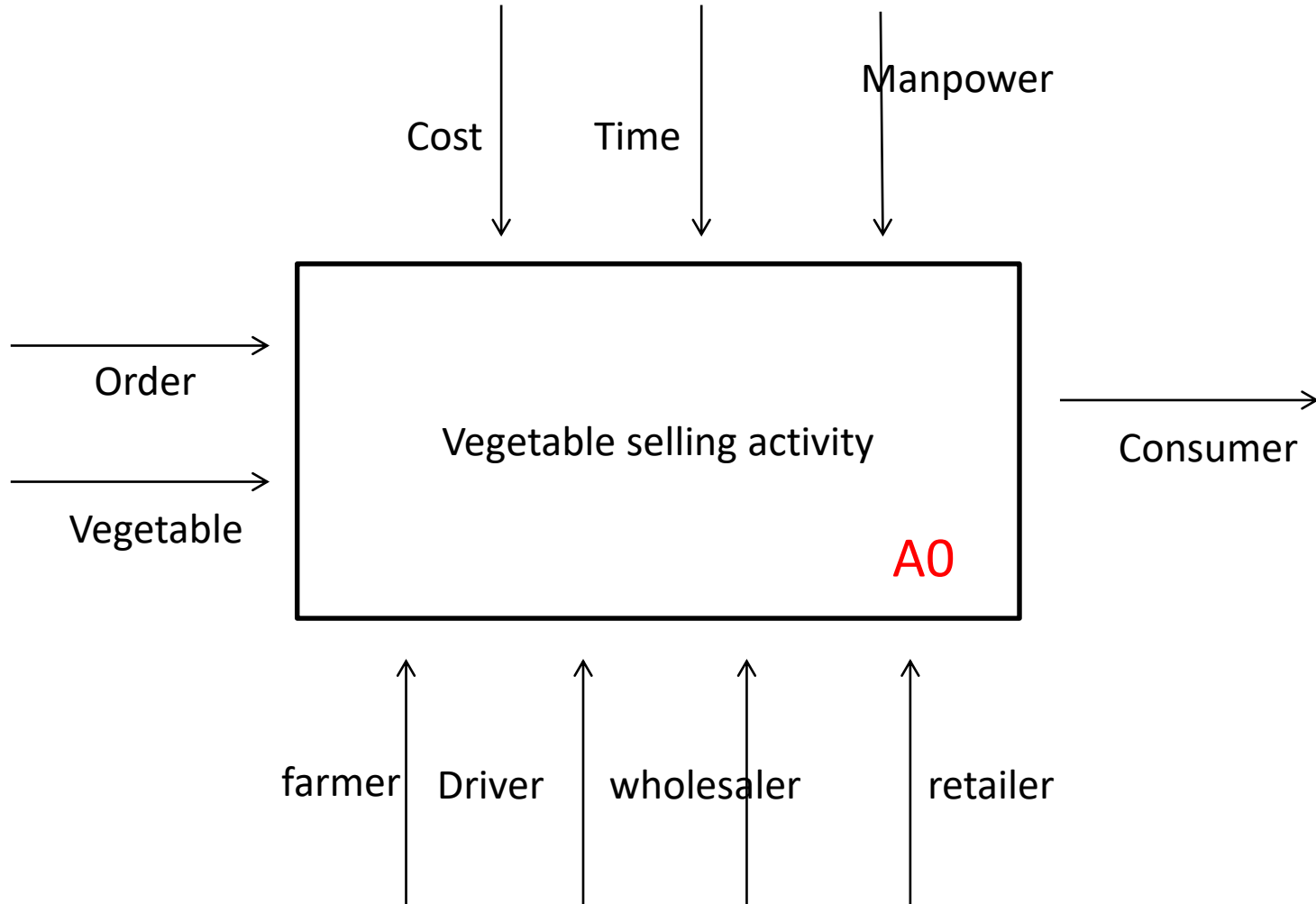3.We are asking farmers with us to work together to improve this process.

TOC

4. the bottleneck will be loosened so that the bottleneck is no longer the bottleneck.

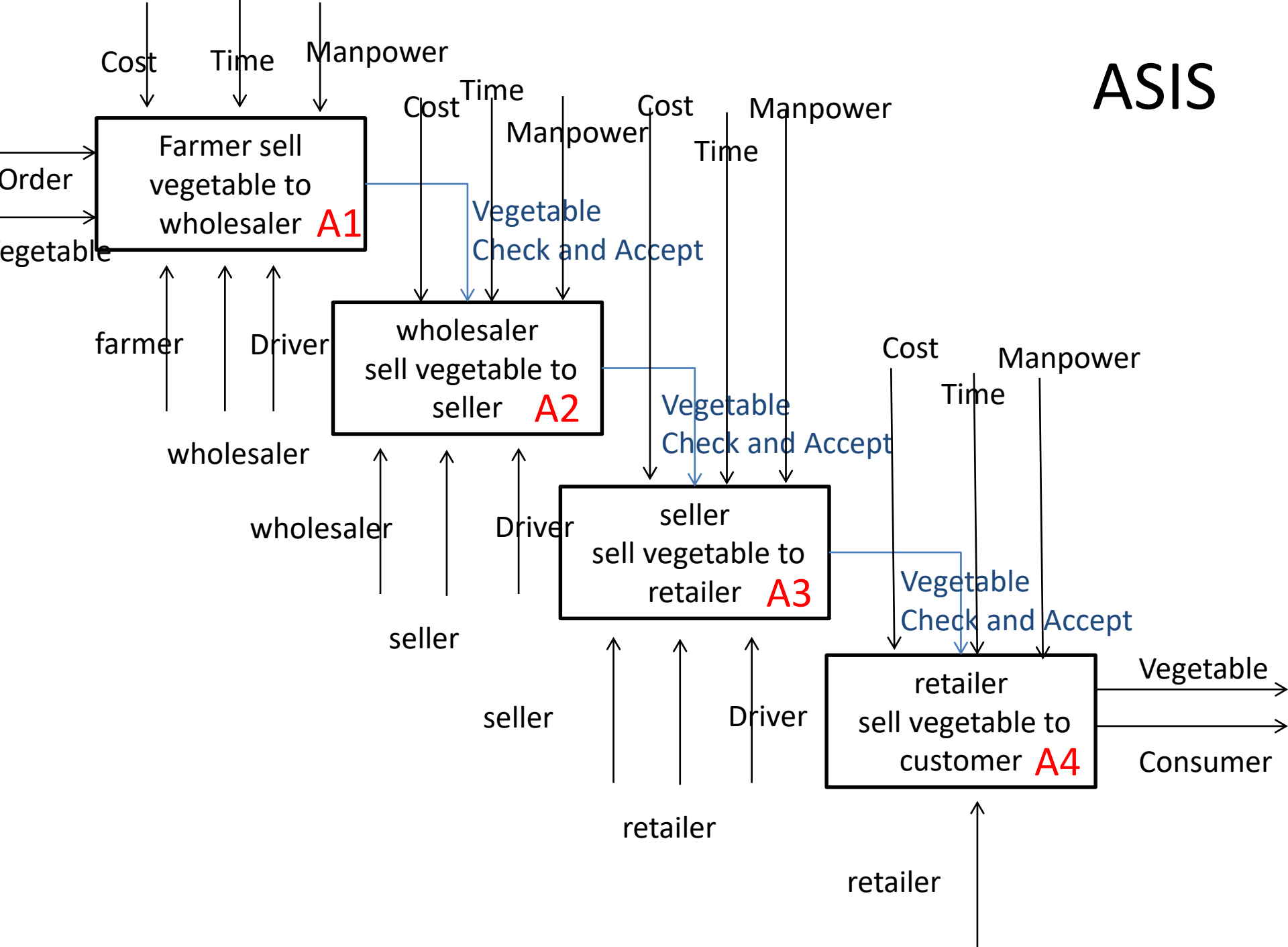5.After the system become stable, we need to go back to step 1. By doing so, we can improve the system continuously.

IDEF

- We use IDEF0 to analyze the whole activities. We try to model the decisions, actions, and activities of an organization or system.
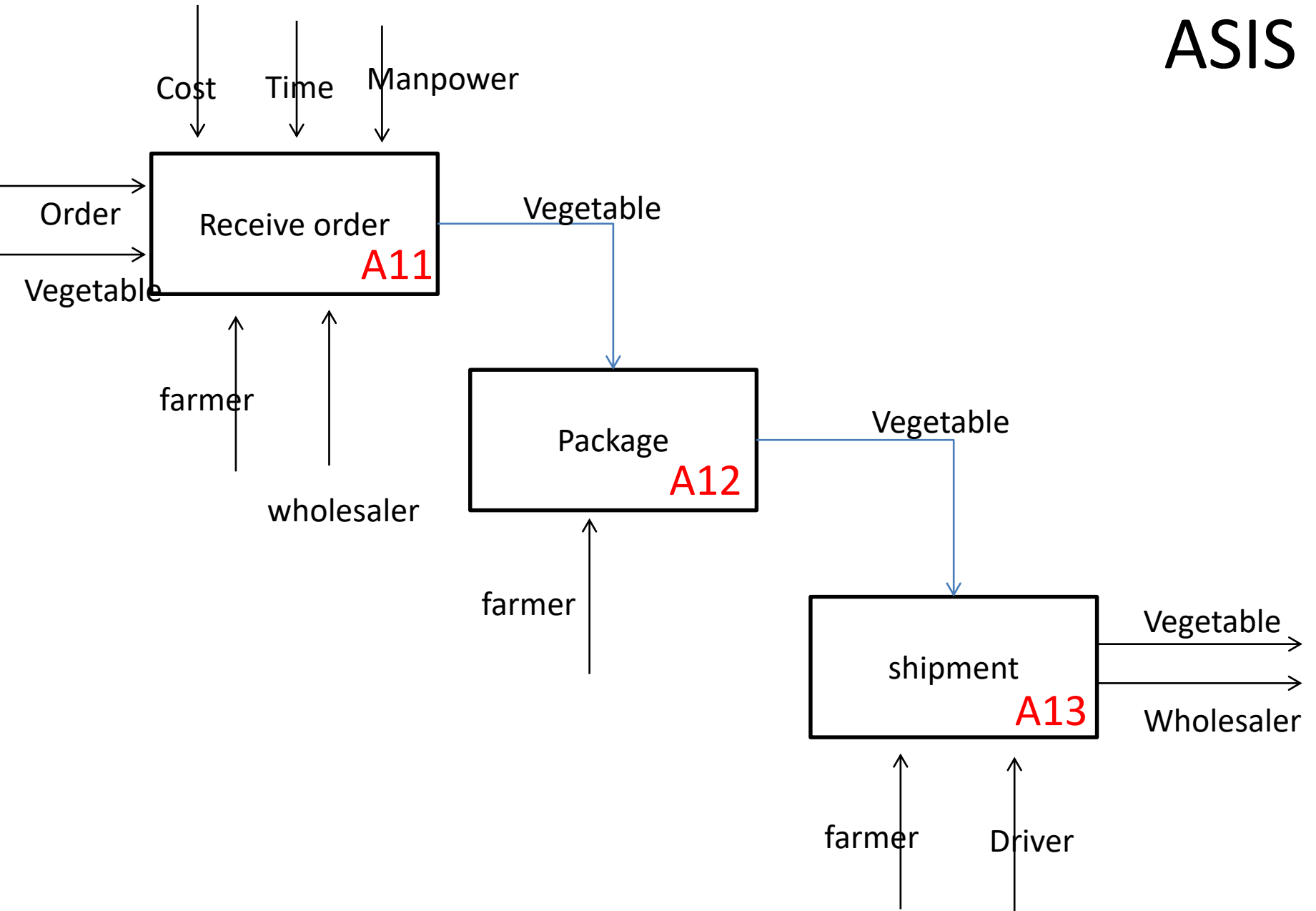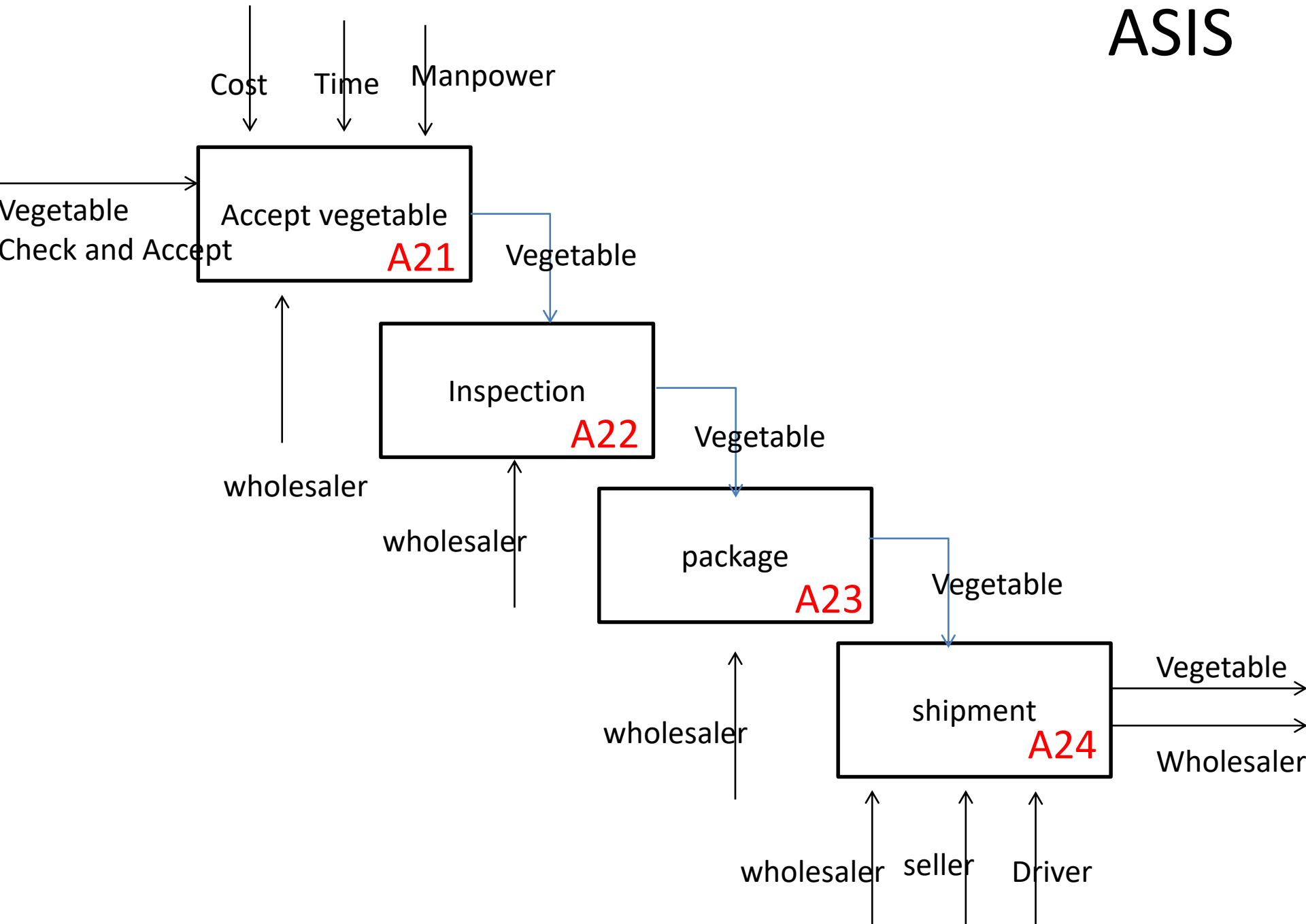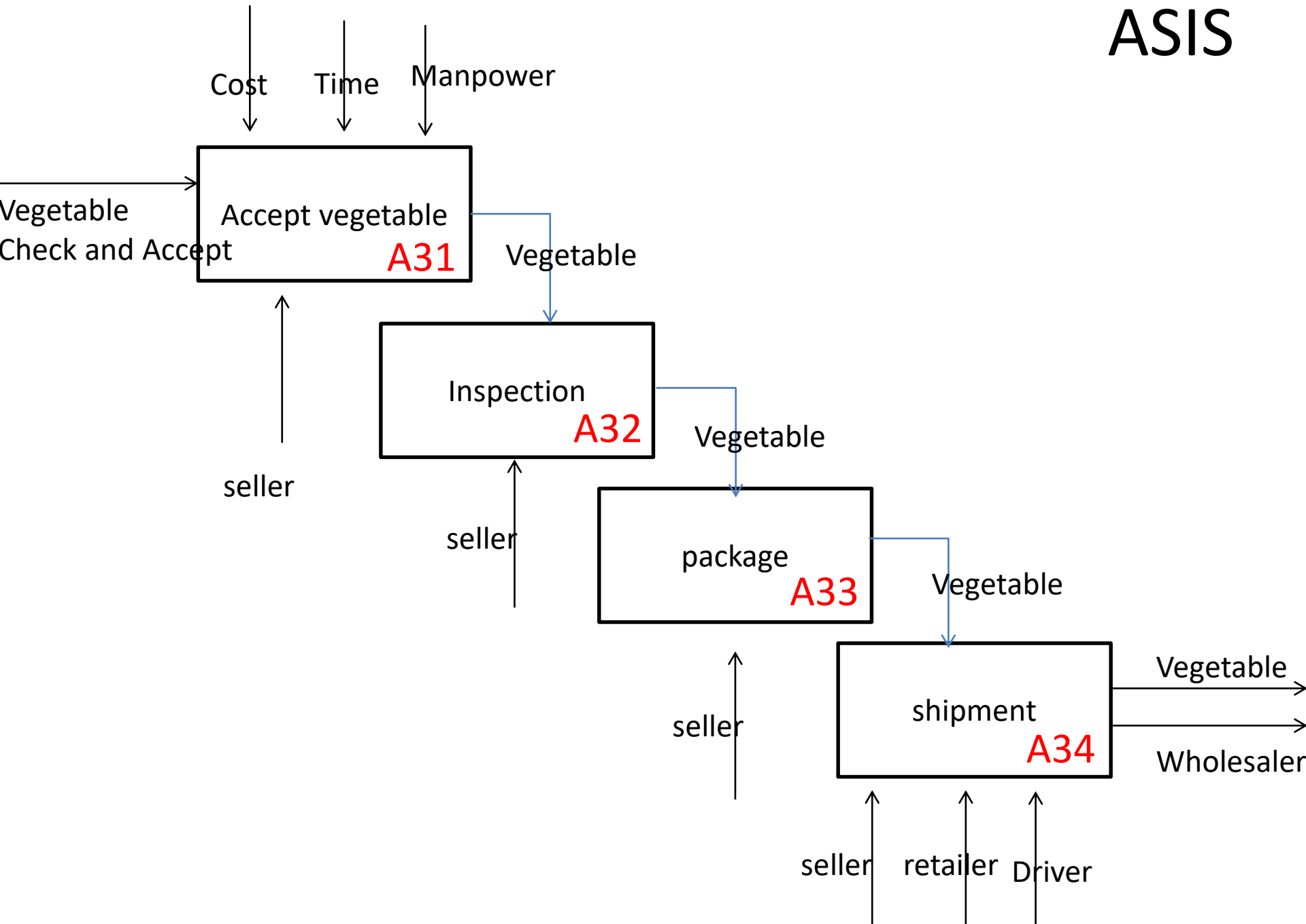
Company Logo

ASIS

Cost | Time | Manpower

Order

Vegetable

Vegetable selling activity

A0

Consumer

farmer | Driver | wholesaler | retailer

ASIS

ASIS

Cost Time Manpower

Order

Vegetable

Receive order
A11

farmer

wholesaler

Vegetable

Package
A12

farmer

Vegetable

Vegetable

shipment
A13

Wholesaler

farmer Driver

ASIS

Cost   Time   Manpower

Vegetable
Check and Accept → **Accept vegetable** A21

wholesaler → | Vegetable →

Inspection A22

wholesaler →

wholesaler → | Vegetable →

package A23

wholesaler →

| Vegetable →

shipment A24 → Vegetable

→ Wholesaler

wholesaler   seller   Driver

ASIS

Cost   Time   Manpower

Vegetable
Check and Accept → **Accept vegetable** A31

Vegetable →

Inspection A32

seller

seller

Vegetable →

package A33

seller

Vegetable →

shipment A34 → Vegetable
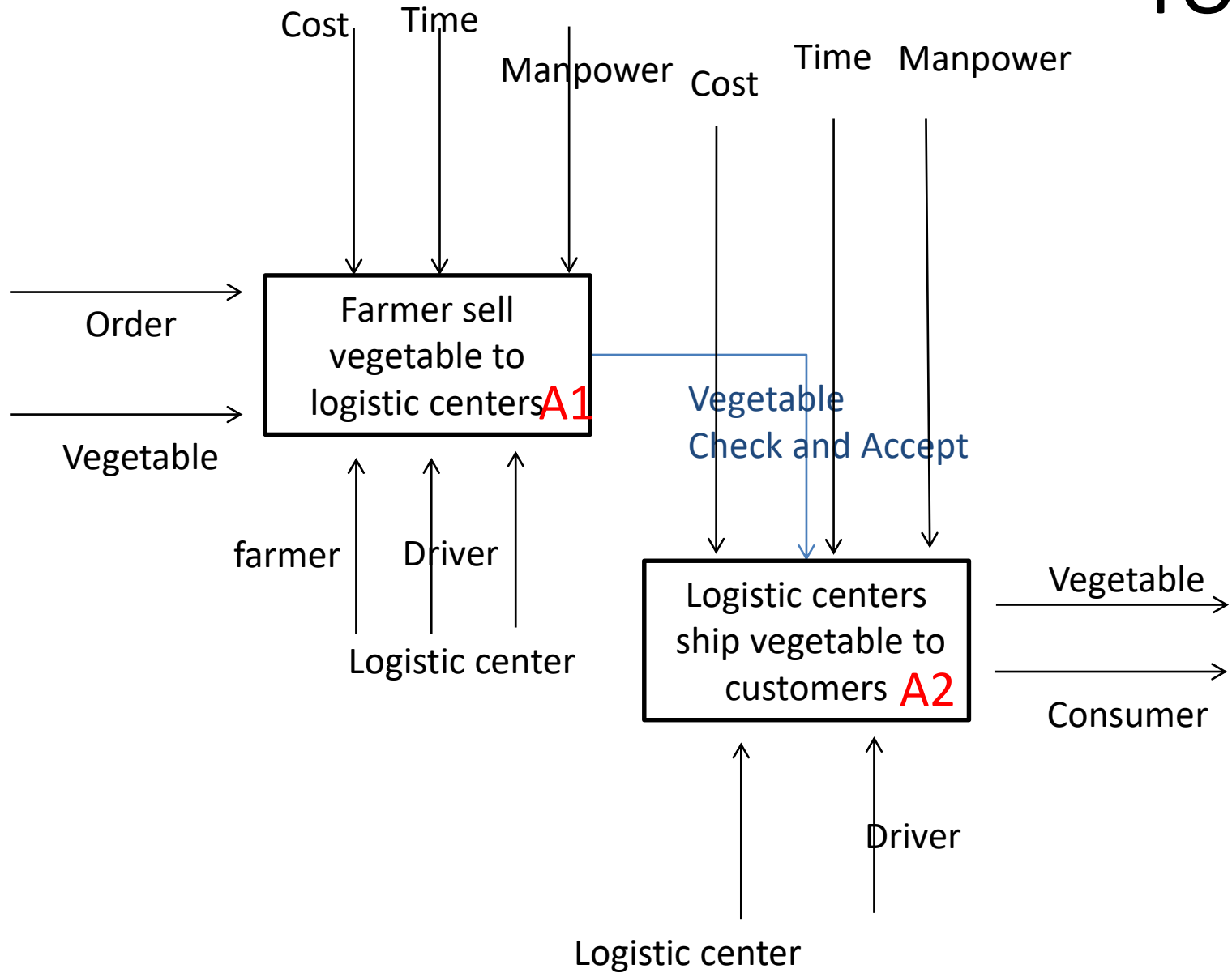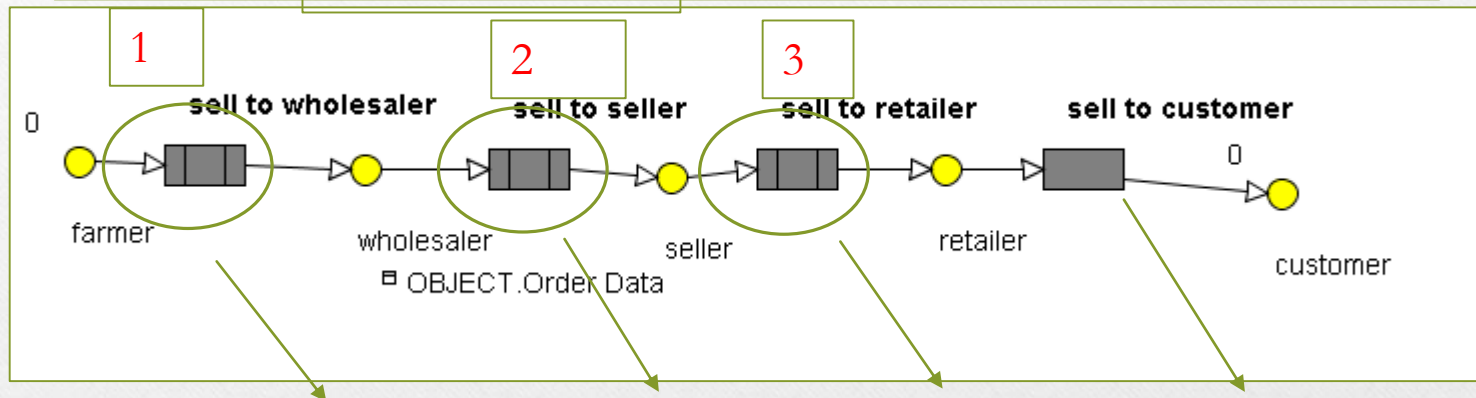
→ Wholesaler

seller

seller   retailer   Driver

IDEF

- From the diagrams, we find it that the process is complicated and meaningless. So we try to simply the process. We cut down the wholesaler, the seller, and the retailer.
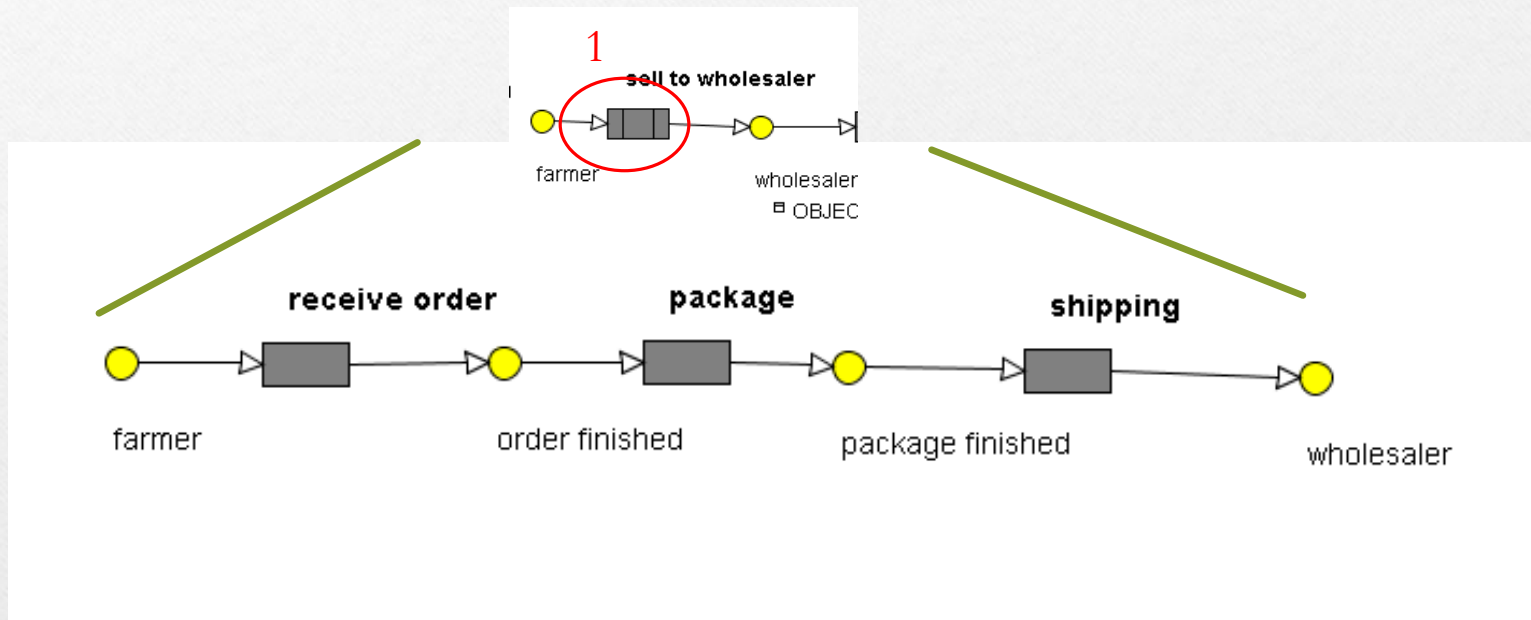
- It is totally a waste of manpower and time.

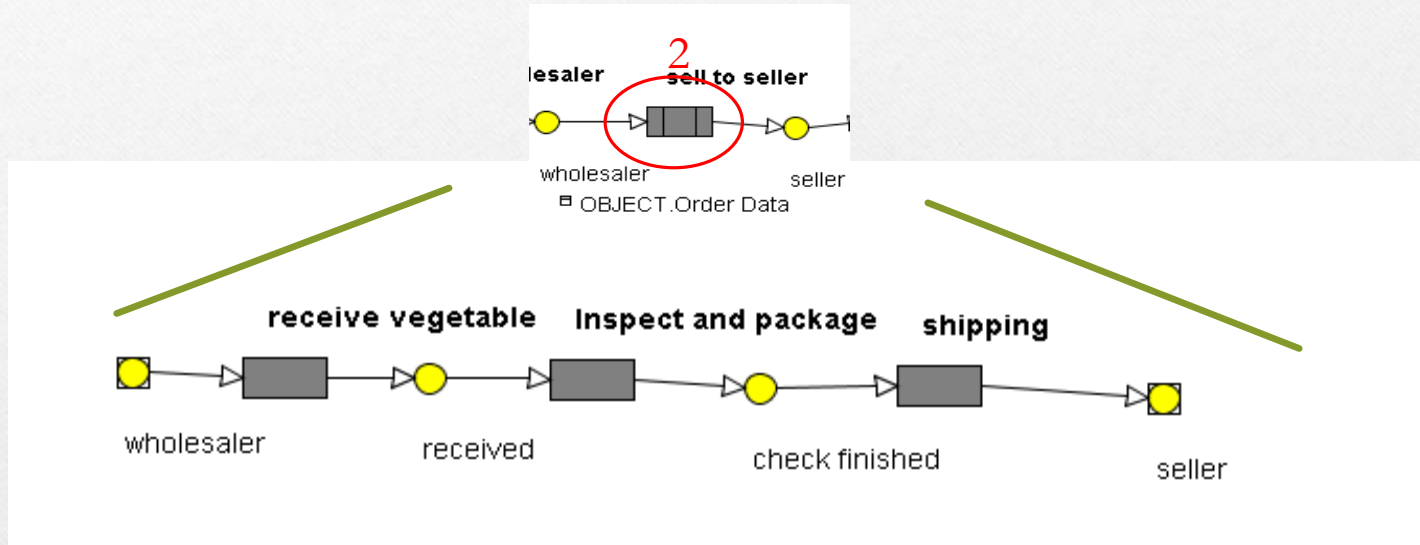Company Logo

TOBE

AS-IS Behavior Model

Drill down

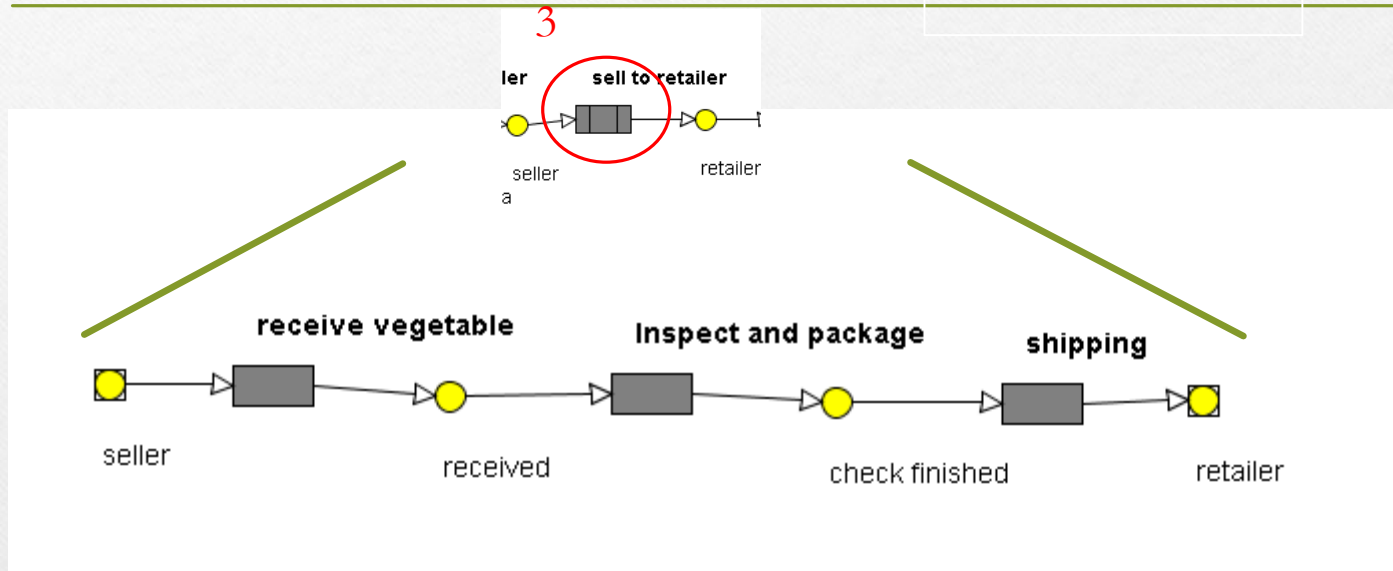|	Sell to wholesaler	Sell to seller	Sell to retailer	Sell to customer
Average Cost	10	11	8	5
Average Time	50	40	40	20

AS-IS Drill Down 1 Behavior Model

AS-IS Drill Down 2 Behavior Model

AS-IS Drill Down 3 Behavior Model

TO-BE Behavior Model

Drill down
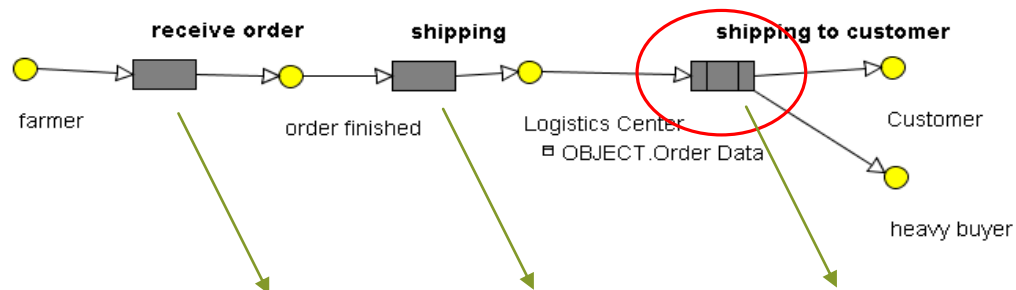
	Receive order	Shipping	Shipping to customer
Average Cost	5	5	15
Average Time	30	30	60

TO-BE Drill Down Behavior Model

Fig.6 The first layer of the As-Is Model

Results & Conclusion

overview

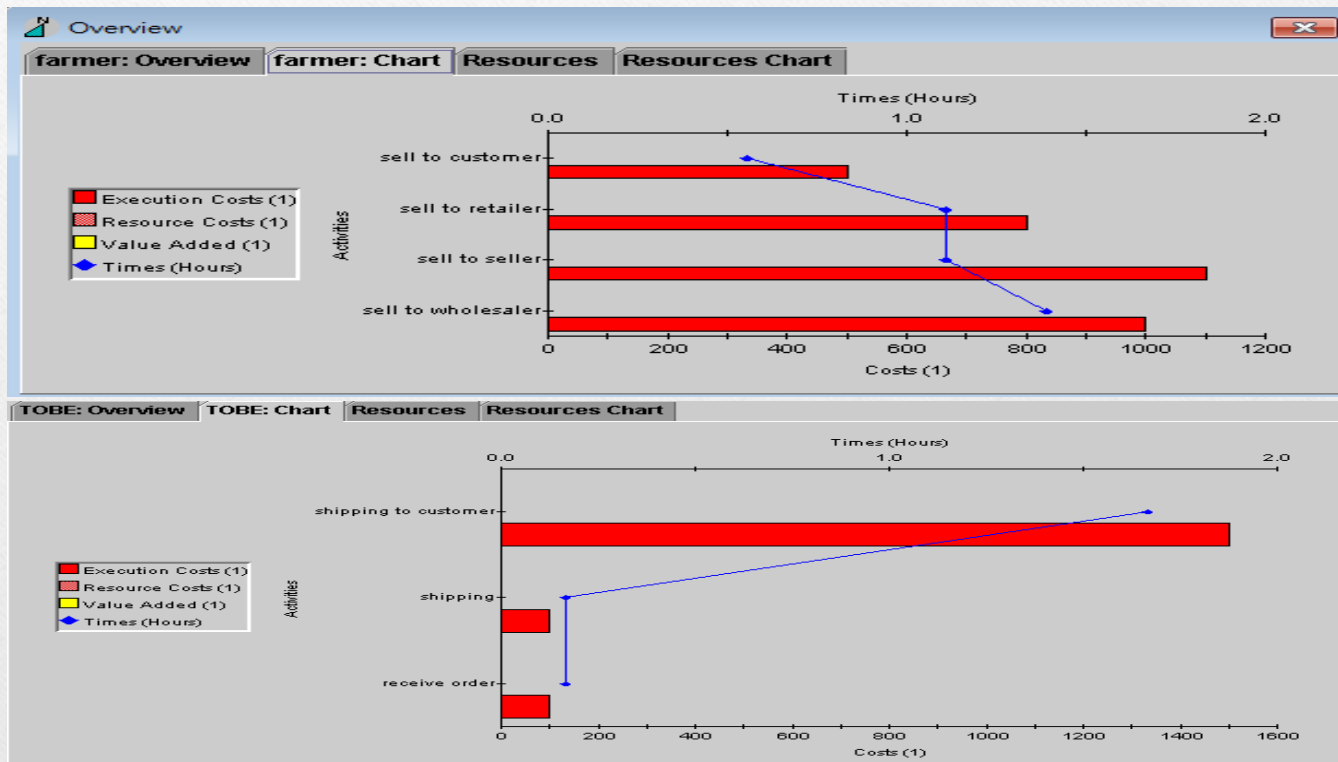| farmer: Overview | farmer: Chart | Resources | Resources Chart |

Activities	C...	Execution...	Resource...	Value Add...	Times (Hour...
sell to wholesaler	100	1,000	0	0	1.389
sell to seller	100	1,100	0	0	1.111
sell to retailer	100	800	0	0	1.111
sell to customer	100	500	0	0	0.556
Sum	400	3,400	0	0	4.167

| TOBE: Overview | TOBE: Chart | Resources | Resources Chart |

Activities	Count	Execution Co...	Resource Co...	Value Added ...	Times (Hours)
receive order	20	100	0	0	0.167
shipping	20	100	0	0	0.167
shipping to customer	100	1,500	0	0	1.667
Sum	140	1,700	0	0	2

chart

Demo

http://140.114.54.94/group1/www/ch21/index.html

Thank You