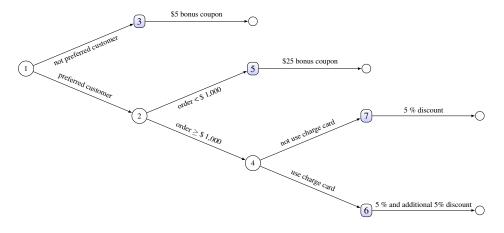
Process specification Sheet

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```
Algorithm 1 Problem-1
 1: if The customer is preffered then
       if Customer order more than $1,000 then
          Apply a 5% discount
 3:
          if Customer used charge card then
 4:
             Apply an additional 5\% discount
 5:
          end if
 6:
       else
 7:
 8:
          Award $25 bonus coupon
       end if
 9:
10: else
      Award $5 bonus coupon
12: end if
```

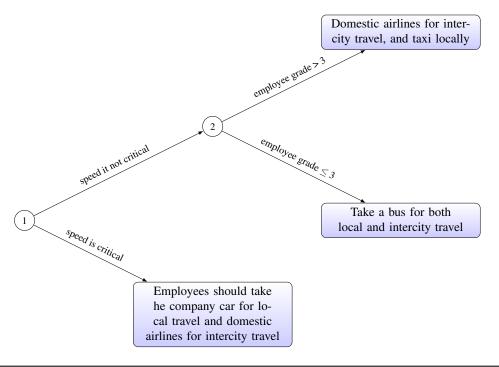
Rules							
1	2	3	4	5	6	7	8
Y	Y	Y	Y	N	N	N	N
Y	Y	N	N	Y	Y	N	N
Y	N	Y	N	Y	N	Y	N
\checkmark	\checkmark						
\checkmark							
		\checkmark	\checkmark				
				√	√	√	√
	1 Y Y Y	Y Y Y Y	$\begin{array}{cccc} Y & Y & Y \\ Y & Y & N \end{array}$	1 2 3 4 Y Y Y Y Y Y N N	1 2 3 4 5 Y Y Y Y N Y Y N N Y	1 2 3 4 5 6 Y Y Y Y N N N Y Y N N Y Y	1 2 3 4 5 6 7 Y Y Y Y N N N N Y Y N N Y Y N



Algorithm 2 Problem-2

- 1: **if** Speed is critical **then**
- 2: employees should take the company car for local travel and domestic airlines (economy class) for intercity travel
- 3: **else**
- 4: **if** employee grade is 3 or lower **then**
- 5: Employee should take a bus for both local and intercity travel.
- 6: else
- 7: Should use domestic airlines (economy class) for intercity travel, and use a taxi locally.
- 8: end if
- 9: end if

		Ru	ıles	
Conditions	1	2	3	4
Speed is critical	Y	Y	N	N
Employee grade ≤ 3	Y	N	Y	N
Actions				
Take company car and domestic airlines	\checkmark	\checkmark		
Take a bus for both			\checkmark	
Taxi locally and domestic airlines				\checkmark



Algorithm 3 Problem-3

- 1: **if** Parcel is sent by express **then**
- 2: Basic charge will be 6 \$/kg
- 3: **else**
- 4: Basic charge will be 4 \$/kg
- 5: end if
- 6: **if** Distance of is over 200km **then**
- 7: Charge will increase by 1 \$/kg
- 8: end if
- 9: **if** Weight is over 10kg **then**
- 10: charge extra $0.5 \times (w 10)$
- 11: **end if**

	Rules							
Conditions	1	2	3	4	5	6	7	8
Sent by Express	Y	Y	Y	Y	Ν		N	N
Distance is over 200km	Y	Y	N				N	N
weight is over 10kg	Y	N	Y	N	Y	N	Y	N
Actions			_	_				
Basic charge will be 6 \$/kg	\checkmark	\checkmark	√	√				
Basic charge will be 4 \$/kg					√	√	√	√
Charge will increase by 1 \$/kg	\checkmark	\checkmark			\checkmark	\checkmark		
charge extra $0.5 \times (w-10)$	\checkmark		√		\checkmark		\checkmark	
		increase by charge by 1 \$/kg						
		nce is ove	1 200km					
	distar	ice is c						
charge 4 \$/kg	J							
not sent by express		<i>h</i> ∆	lo.					
not sen			0					
			ah		tmo () 5	× (***	10)	
1)			CH	irge ex	ua 0.5	× (w –	- 10)	
sent by express		M > 10)/					
-38		<i>"</i>						
charge 6\$/kg)							
charge 05/kg								
	-181	ance is o	Ver a					
			1200ki	n				
						sa br. 1	Ф/1-2	
			inci	rease b	y cnarg	ge by 1	\$/Kg	