

IFD problems (CH #2,3)

Submitted To :

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Submitted By :

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QNo: 2.10

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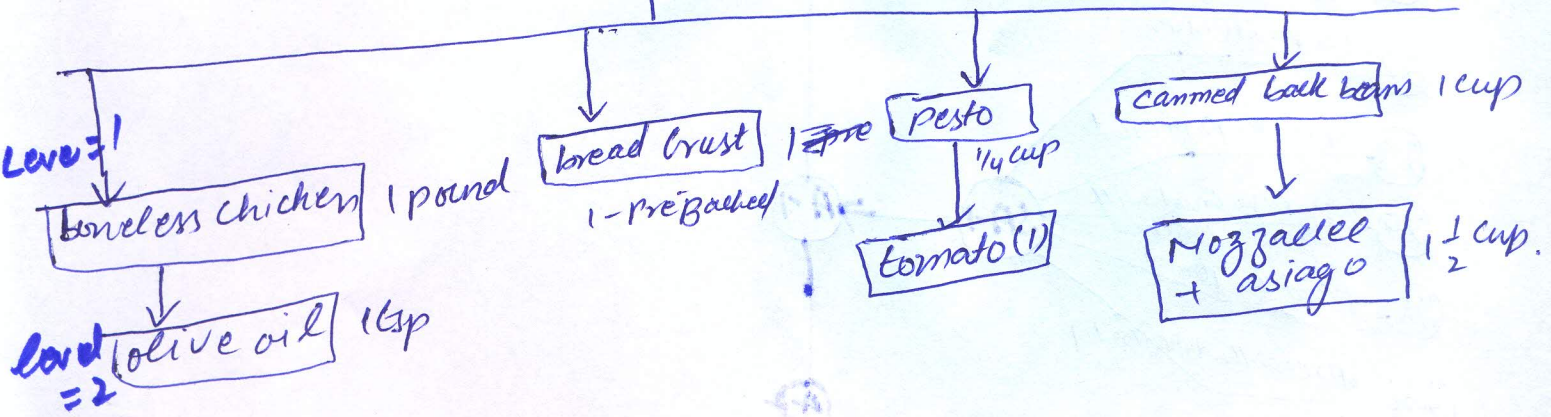
Sol (a) List Ingredients (parts list)

Ingredient Name	Quantity
(i) bone less chicken	1 pound
(ii) olive oil	1 tsp
(iii) Italian bread shell Crust	1 pre-Baked
(iv) Pesto	1/4 cup
(v) tomato	1
(vi) Canned back beans	1 cup
(vii) Mozzarella asiago with roasted garlic cheez	1 1/2 cup.

(b)
Bill of Material.

Level 0

chicken Pizza



(C)

Route sheet :-

Company Fast food part name: chicken pizza

prepaired by M.A.J part no: PZ-01

Date 25-09-2016

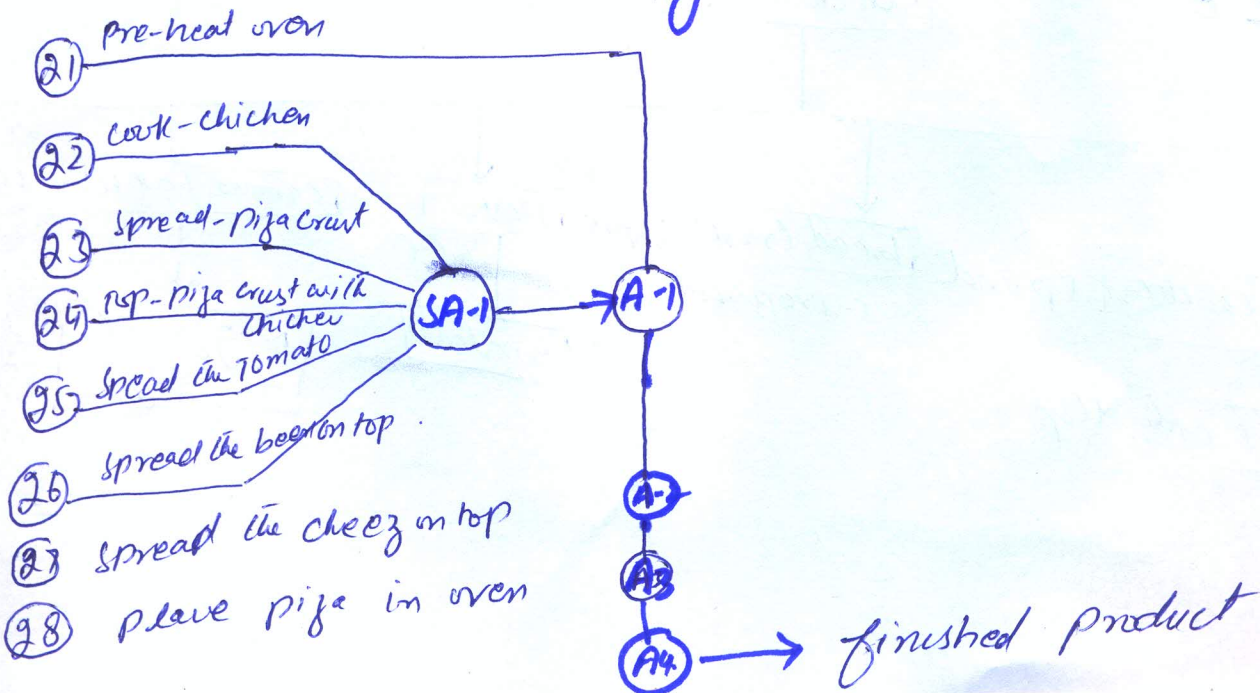
Operation No:

operation description

operation Time (Minutes)

Operation No:	operation description	operation Time (Minutes)
1	pre-heat the oven	5
2	cook the chicken in oil	5
3	spread the pizza crust with pesto	2
4	Top the pizza crust with chicken	3
5	spread the chopped tomato on the top of the chicken	1
6	spread the bean on top	1
7	spread the cheese on top of beans	1
8	place in piece ^{oven} for 10-12 Minutes	10-12
9	finished.	1

(D) Assembly chart.



(E)

2

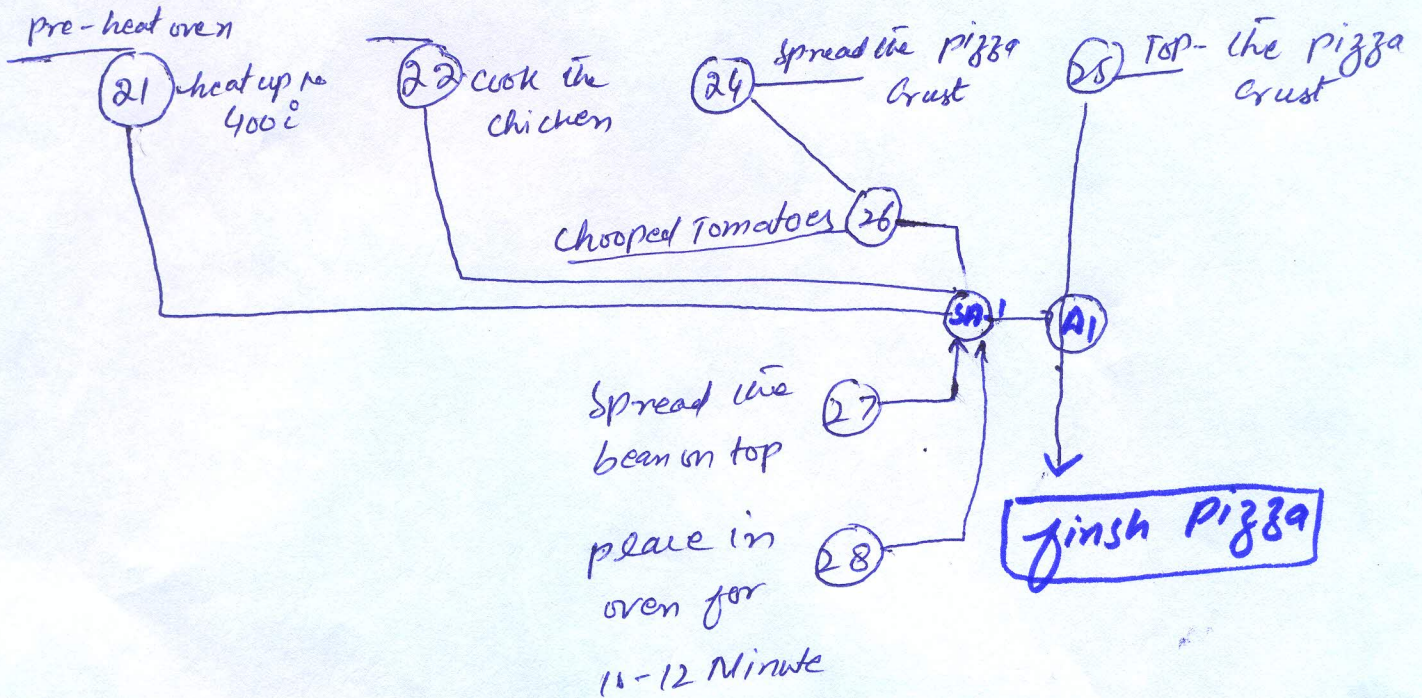
operation process chart

Company: Fast Food

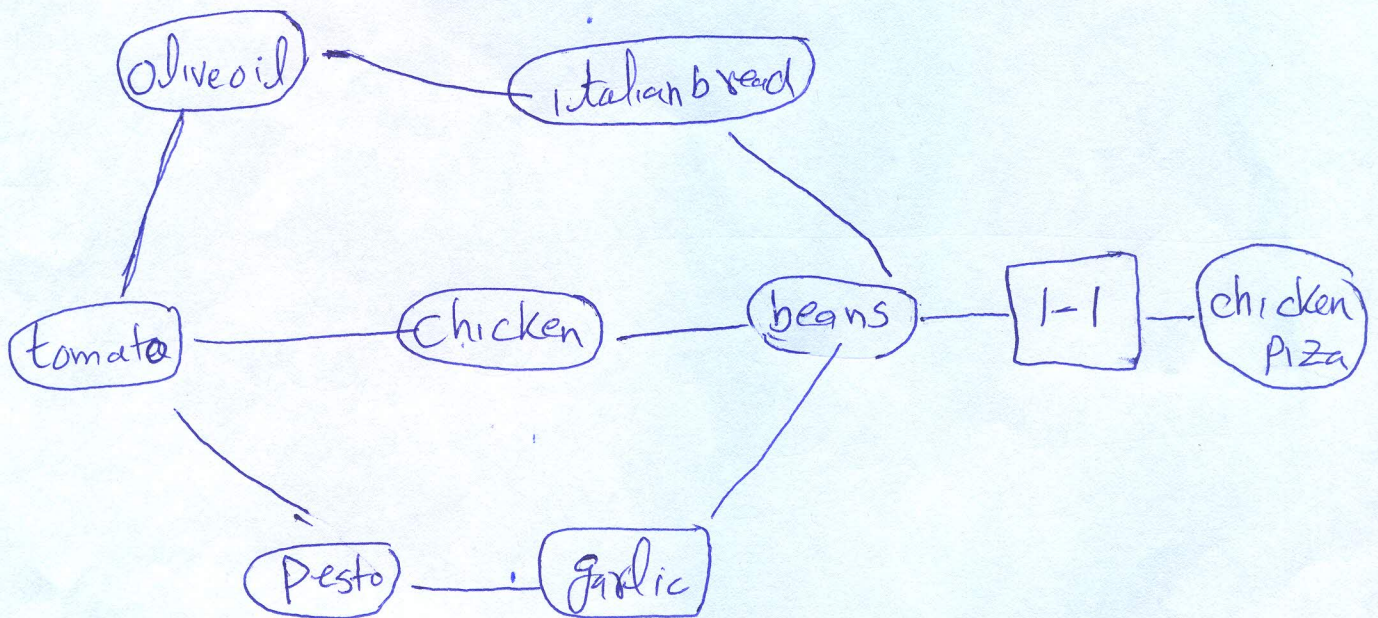
prepared by: M.A.J

product: Chicken Pizza

Date: 25/09/2014



(F) precedence diagram



Q. No. 3.23

Part No. ↓	Part 1	Part 2	Part 3	Part 4	Part 5	# of Is.
1	1		1			2
2						0
3			1		1	3
4	1			1		2
5		1				1
6					1	1
# of Is	2	2	2	2	2	2

Solution:

Step 1: Ordered M/c Part Matrix.

	S	4	3	2	1	
3	1	1			1	3
6	1	1				2
4			1		1	2
1				1		2
5					1	1
2						0
	2	2	2	2	2	

Step 2: Column-sorted M/c Part Matrix.

3	1	1	1			
6	1	1				
4				1	1	
1					1	
5			1			
2						
	5	4	2	3	1	

Step-3: Row-sorted Mle Part Matrix

	5	4	2	3	1
3	1	1	1		
6	1	1			
5			1		
4				1	1
1				1	1
2					

Step-4: Formation of Two cells.

	5	4	2	3	1
3	1	1	1		
6	1	1			
5			1		
4				1	1
1				1	1
2					

Step 5: Alternative Grouping of M/les.

5

Part #	5	4	2a	2b	3	1 (M/c #)
3	1	1	1			
6	1	1				
5				1		
4					1	1
1					1	1
2						