

1.

Transaction ID	Item
T1	{Milk, Bread}
T2	{Milk, Bread, Eggs}
T3	{Milk, Eggs}
T4	{Bread, Juice}
T5	{Milk, Bread, Juice}
T6	{Eggs, Juice}
T7	{Milk, Bread, Eggs}
T8	{Bread, Eggs}
T9	{Milk, Juice}
T10	{Milk, Bread, Eggs, Juice}

2. Minimum set = 3

Item	Frequency
Milk	7
Bread	7
Eggs	6
Juice	5

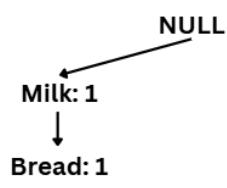
3. Ordered set

Transaction ID	Item
T1	{Milk, Bread}
T2	{Milk, Bread, Eggs}
T3	{Milk, Eggs}
T4	{Bread, Juice}

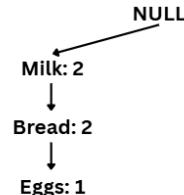
T5	{Milk, Bread, Juice}
T6	{Eggs, Juice}
T7	{Milk, Bread, Eggs}
T8	{Bread, Eggs}
T9	{Milk, Juice}
T10	{Milk, Bread, Eggs, Juice}

4. FP-Tree

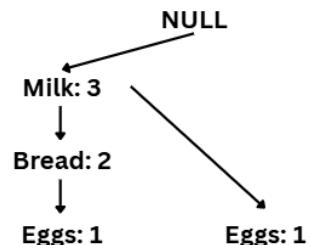
a.



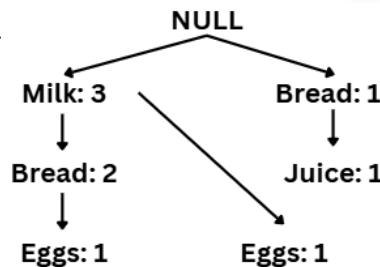
b.



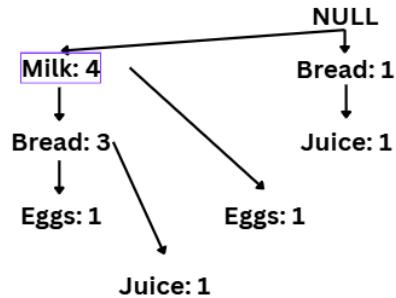
c.



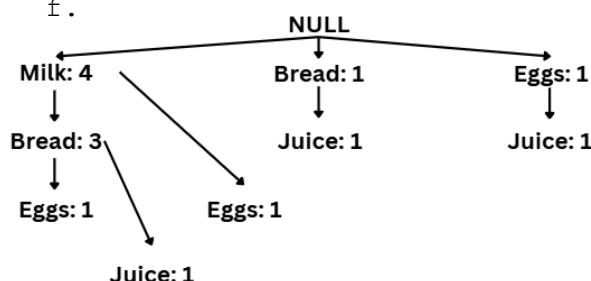
d.

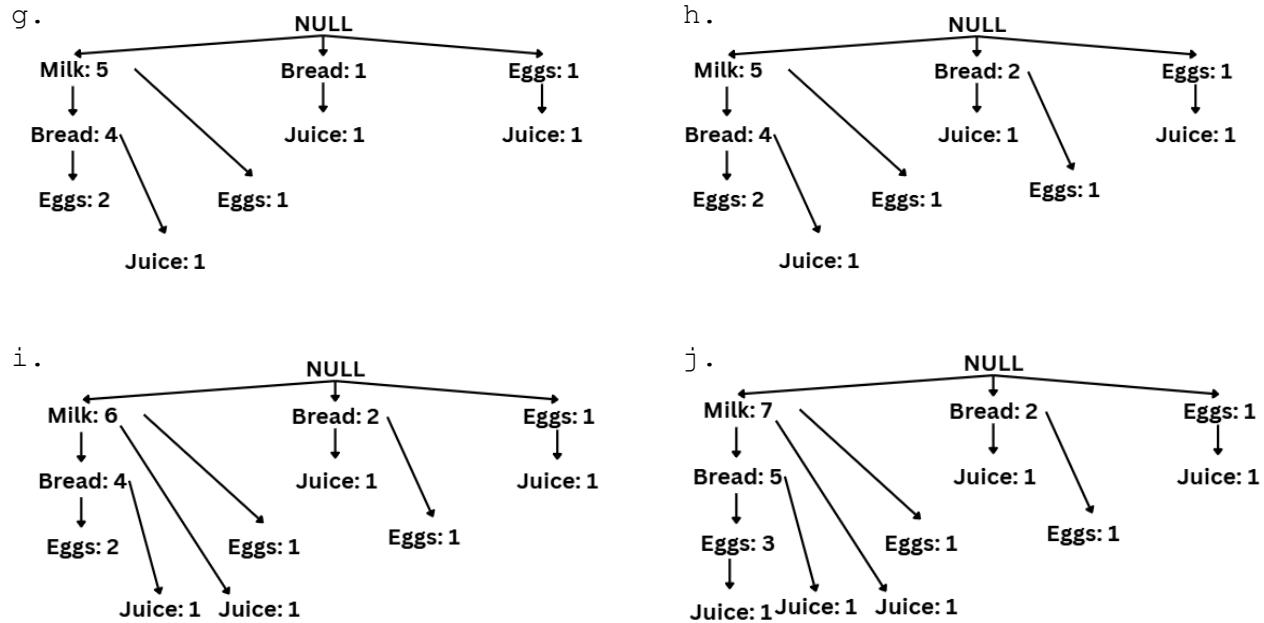


e.



f.





5. Conditional Pattern Base

Item	Conditional Pattern Base
Juice	$\{\{Milk, Bread, Egg: 3\}, \{Milk, Bread: 1\}, \{Milk: 1\}, \{Bread: 1\}, \{Eggs: 1\}\}$
Eggs	$\{\{Milk, Bread: 3\}, \{Milk: 1\}, \{Bread: 1\}\}$
Bread	$\{Milk: 5\}$
Milk	

6. Conditional Frequent Pattern

Item	Conditional Pattern Base	Conditional Frequent Pattern
Juice	$\{\{Milk, Bread, Egg: 3\}, \{Milk, Bread: 1\}, \{Milk: 1\}, \{Bread: 1\}, \{Eggs: 1\}\}$	$\{Milk, Bread: 2\}$
Eggs	$\{\{Milk, Bread: 3\}, \{Milk: 1\}, \{Bread: 1\}\}$	$\{Milk: 4\}$
Bread	$\{Milk: 5\}$	$\{Milk: 5\}$

Milk		
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7. Frequent Pattern Generated

Item	Frequent Pattern Generated
Juice	{<Milk, Juice: 2>, <Bread, Juice: 2>}
Eggs	{<Milk, Egg: 4>}
Bread	{<Milk, Bread: 5>}
Milk	