Transaction ID	Items Purchased
1	Milk, Bread, Butter
2	Milk, Eggs
3	Bread, Butter, Jam
4	Milk, Eggs, Butter
5	Bread, Butter, Jam, Milk

min sup ≥ 2

Step 1: C_1 (Initial Candidates - Single Items)

Item	Support Count
Milk	4
Bread	3
Butter	4
Eggs	2
Jam	2

Frequent Itemset (F_1): Items with Support ≥ 2

Item	Support Count
Milk	4
Bread	3
Butter	4
Eggs	2
Jam	2

Updated Step 2: C_2 (Candidate Pairs)

Itemset	Support Count
{Milk, Bread}	2
{Milk, Butter}	3
{Milk, Eggs}	2
{Milk, Jam}	1
{Bread, Butter}	3
{Bread, Eggs}	0
{Bread, Jam}	2
{Butter, Eggs}	1
{Butter, Jam}	2

Frequent Itemset (F_2): Pairs with Support ≥ 2

Itemset	Support Count
{Milk, Bread}	2
{Milk, Butter}	3
{Milk, Eggs}	2
{Bread, Butter}	3
{Bread, Jam}	2
{Butter, Jam}	2

Step 3: C_3 (Candidate Triplets)

The C_3 table remains the same because $\{Butter, Eggs\}$ was already excluded in the frequent pair generation step.

Itemset	Support Count
{Milk, Bread, Butter}	2
{Milk, Bread, Eggs}	0
{Milk, Bread, Jam}	1
{Milk, Butter, Eggs}	1
{Milk, Butter, Jam}	1
{Bread, Butter, Jam}	2

Frequent Itemset (F_3): Triplets with Support ≥ 2

Itemset	Support Count
{Milk, Bread, Butter}	2
{Bread, Butter, Jam}	2