D. (set of transactions)

1	I1, I2, I5
2	I2, I4.
3	I2, I3
4	I1, I2, I4
5	I1, I3.
6	I2, I3
7	I1, I3
8	I1, I2, I3, I5
9	I1, I2, I3

Minimum support = 2

I. ① SCAN D FOR COUNT EACH CANDIDATE.

C1

Item set	Support count.
I1	6
I2	7
I3	6
I4	2
I5	2

② COMPARE CANDIDATE SUPPORT COUNT WITH MINIMUM support. count. ⇒ keep all. {I1} {I2} {I3} {I4} {I5}

L1

「CANDIDATE IN C2.

③ Generate C2 Candidates from L1 → ④ SCAN THE DATABASE FOR COUNT EACH

Item set	{I1, I2}	{I1, I3}	{I1, I4}	{I1, I5}	{I2, I3}	{I2, I4}	{I2, I5}
COUNT.	4	4	1	2	4	2	2

Itemset	{I3, I4}	{I3, I5}	{I4, I5}
COUNT	0	1	0

⑤ Compare Candidate support count with min. sup. count. → eliminate 해준

⇒ L2 {I1, I2} {I1, I3} {I1, I5} {I2, I3} {I2, I4} {I2, I5}

⑥ C3 from L2 → L3

{I1, I2, I3}	{I1, I2, I5}	← Item set.
2	2	← COUNT.

eliminate → {I1, I2, I4} {I1, I3, I5} {I2 I3 I4} {I2 I3 I5} {I2 I4 I5}

⑦ C4 from L3. {I1, I2, I3, I5} → X subset 없으므로 OKAY!!

Therefore, use {I1, I2, I3} {I1, I2, I5} to generate rules.

예) {I1} → {I2, I3}

{I1, I2} → {I3}

↓ "Frequent Item set"

다음과 계속

{I1, I2, I5} Frequent Item Set.

Rules	Confidence		
{I1, I2} → {I5}	c = 2/4	50%	
{I1, I5} → {I2}	c = 2/2	100%	V
{I2, I5} → {I1}	2/2	100%	V
{I1} → {I2, I5}	2/6	33.3%	
{I2} → {I1, I5}	2/7	29%	
{I5} → {I1, I2}	2/2	100%	V

MIN. Confidence = 60% 과 비교.

↑ "여기까지"

- **Hash tree.**