

SET D

TRANSACTION	ITEMS
T1	G, F, E, A
T2	B, F, D, A, E, G
T3	A, E, F, D
T4	F, C, E, D, B
T5	D, C, G, A, B, F, E
T6	D, A, E, G, F, C
T7	C, B, D, A, F, G
T8	C, B, D, A, G, F, E
T9	E, A, G, F
T10	C, F, E, D, G, A
T11	C, E, F, D, A, G, B
T12	E, F, G, C
T13	C, A, D, B
T14	G, B, F, A
T15	E, C, A, D, B, G

Answer the following, write the correct answer on your paper:

For uniformity, all initial calculations and final answers should be in two decimal places, not rounded.

- 1. What is the support for itemset {A, E, F}
- 2. What is the support for itemset {A, C, E}
- 3. What is the lift for itemset {C, G} → B
- 4. What is the lift for itemset {B, E, G} → A
- 5. What is the confidence for itemset {A, B, C} → F
- 6. to 10. Given the transactions above construct the final FP-Tree with counters. If there is a tie in frequencies, alphabetical order will prevail.