

SET C

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

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 {B, F, E}
- 2. What is the support for itemset {C, E, A}
- 3. What is the lift for itemset {A, G} → C
- 4. What is the lift for itemset {D, C, B} → A
- 5. What is the confidence for itemset {G, D, E} → B
- 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.