

SET F

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

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