Q42) given, dataset that contains five items, SA,B,c,D,E} through the design. suppose the rolles SA, By >c has the same confidence as SA, By >D bankons is to conti will. en engreet with other same support, it was (a) given statement, 50 At 9 3 A A PARENT FOR ON WILLIAM The confidence of SAIBY-> SCIDY is the same as the confidence of SABBy -> School 1 agal from the bosols of from a walladay This Statement is false, Because, The confidence rule is the probability of Hemset c being given that Hemset A & B are purchased. If the confidence of SA, By>c 93 the same as SAB3-D means the occurance of SABY is same as occurance of SABY is D. The confidence of the rule SABY -> SCIDY could be higher than SABy ->c. But if D randy occurs with on the confidence might be lower. 1 b) given statement, All the transactions that contain & A,B,c & also contain SAIBIDY This statement is false. Because, the presence of SA, B, cy in a transaction does not imply the precence of SA,B,Dy. The association rules SAIBY>c and SAIBY > 0 do not gurantee that c and D always occur together



(c) SABOCZ is not a closed Hernset is the given Hemset statement.

The Hemset is considered closed if there is no superset with the same support. If scarbicy is a closed Hemset, it implies that there is no other Hemset containing A, B, c with same support level.

Hence this statement is true because, whether SABICY is closed or not depends on the support of SABICY compared to other Hensels containing AB and c.



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