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## Problem 1:

a) frequent itemset generation: minimum support count=3, minimum confidence: 66%

Í	lata bosi	eV	
	TID	Items	
	1	ACDE	
	2	CDE	Scan D
	3	Ac	
	4	BE	
	5	ABDE	
	6	ABCOE	

Itemset	Sup
FAI	4
[B]	3
101	4
101	4
{E}	15

Itenset	Sup
[A]	4
1B}	3
{C}	4
{0}	4
1 123	5

Itemset	
{AB}	often.
FACE	
SADZ	Scan D
{AE}	
[BC]	
[80]	
(BE)	
Scol	
(CE)	1

Itemset	Sup
(AB)	7
{Ac}	3
1AD3	3
SAET	3
SBCZ	(
1807	2
(BE)	3
(00)	3
5061	3
106)	4

Sup
3
3
3
3
3
3
4

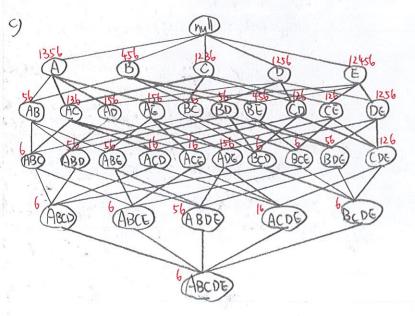
C3 C3 Itenset Scanb SACD? SADE

Itemset	Sup
[ACD]	2
{ADE}	3
(CDE)	3

Itemset	Sup
(ADE)	2
(CDE)	2

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b) frequent itemsets: (FAI, FBI, FCI, FDI, FEI, FACI, FADI, FAEI, FBEI, (CO), (CE), (DE), (ADE), (CDE))



e) association rule: 
$$\{A\} \rightarrow \{E\}$$
  
 $A = \{A\} = 0.75$   
 $A = \{A\} = 0.$ 

Problem 2:

a) TI will produce the longest frequent itemset

Problem3: