

CS 523 Database Topics Homework #3 Solution

C1

Num	count
7	5
42	5
517	4
420	3
450	3
10	2
515	2
11	1
12	1
55	1
86	1
124	1
134	1
314	1
836	1
849	1
987	1
1201	1
1291	1
3851	1
3852	1
3899	1
4345	1

L1

Num	count
7	5
42	5
517	4
420	3
450	3
10	2
515	2

C2

num1	num2	counts
42	450	3
7	10	2
7	42	2
10	42	2
515	517	2
7	450	1
10	450	1
7	420	0
7	515	0
7	517	0
10	420	0
10	515	0
10	517	0
42	420	0
42	515	0
42	517	0
420	450	0
420	515	0
420	517	0
450	515	0
450	517	0

L2

num1	num2	counts
42	450	3
7	10	2
7	42	2
10	42	2
515	517	2

C3

num1	num2	Num3	counts
7	10	42	2
7	10	450	Prune
7	42	450	Prune
10	42	450	Prune

L3

num1	num2	Num3	counts
7	10	42	2

IF	THEN			
7	10	2	5	0.40
7	42	2	5	0.40
10	42	2	2	1.00
42	450	3	5	0.60
515	517	2	2	1.00

IF	THEN			
7, 10	42	2	2	1.00
7, 42	10	2	2	1.00
10, 42	7	2	2	1.00

IF	THEN			
10	7	2	2	1.00
42	7	2	5	0.40
42	10	2	5	0.40
450	42	3	3	1.00
517	515	2	4	0.50

IF	THEN			
42	7, 10	2	5	0.40
10	7, 42	2	2	1.00
7	10, 42	2	5	0.40