TID	CID	Date	Item	Qty
111	201	5/1/99	Pen	2
111	201	5/1/99	Ink	1
111	201	5/1/99	Milk	3
111	201	5/1/99	Juice	6
112	105	6/3/99	Pen	1
112	105	6/3/99	Ink	1
112	105	6/3/99	Milk	1
113	201	5/10/99	Pen	1
113	201	5/10/99	Milk	1
114	201	6/1/99	Pen	2
114	201	6/1/99	Ink	2
114	201	6/1/99	Juice	4
114	201	6/1/99	Water	1

Apriori Algorithm

foreach item i

check if {i} is a frequent itemset
endfor
k = 1
repeat
 foreach frequent itemset I(k) with k items
 generate all itemsets I(k+1) with k+1 items
 such that I(k) is a subset of I(k+1)
 endfor
 scan all transactions once and
 check if the generate I(k+1) are frequent
 k = k+1
until no new frequent itemsets are identified

Exercise 26.2.1 from the textbook:

Simulate the algorithm for finding frequent itemsets on the table in Fig 26.1 with minsup=90% and then find the association rules with minconf=90%.