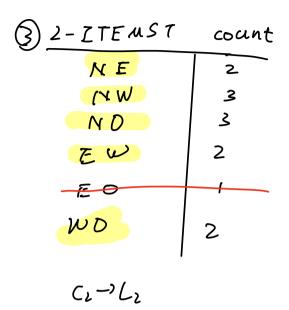
4.2.48 Apriori Example 3

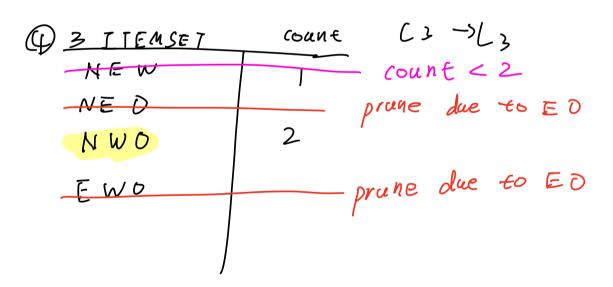
Solution(a)

@ minimum support count = 6 x0.3 = 1.8 a 2

1 - 2 TEM S.	7 count
N	1 4
E	3
W	4
0	4
G	

CI >LI





Offence the frequent itemset are N,E, ND, NE, NW, NO, EW, WO, NWD

(b) A number of association rules have a min 6%, $NW \rightarrow 0$ conf = $\frac{\sigma(NWO)}{\sigma(NW)} = \frac{2}{3} = 66.7\% > 66\%, N \rightarrow W$ conf = $\frac{\sigma(NWO)}{\sigma(NO)} = \frac{2}{3} = 66.7\% > 66\%, N \rightarrow W$ $N \rightarrow 0$ $E \rightarrow W$ $W \rightarrow N$