

# Problema 2

$$\text{Sup} = \frac{(X \cup Y) \cdot \text{count}}{n}$$

$$\text{Conf} = \frac{(X \cap Y) \cdot \text{count}}{X \cdot \text{count}}$$

1= infecció

8= Tractament

15= Pulmó

22= Car

2= Proteïna

9= Patògen

16= Origen

23= Hospital

3= Pandèmia

10= Malaltia

17= Grip

4= Penetrat

11= ARN

18= Cèl·lula

5= Virus

12= Epidèmia

19= Vacuna

6= COVID-19

13= Atenció Primària

20= Gen

7= MERS

14= Estudi

21= Pneumònia

$t_1 = (1 \ 2 \ 3 \ 4 \ 5 \ 6)_6$

$t_8 = (3 \ 5 \ 6 \ 11 \ 14)_5$

$t_2 = (4 \ 5 \ 6 \ 7 \ 8)_5$

$t_9 = (8 \ 11 \ 12 \ 19 \ 21 \ 22)_6$

$t_3 = (1 \ 9 \ 10 \ 11)_4$

$t_{10} = (3 \ 6 \ 11 \ 13 \ 14 \ 19)_6$

$t_4 = (7 \ 8 \ 12 \ 13)_4$

$t_{11} = (1 \ 2 \ 3 \ 6 \ 7 \ 8)_6$

$t_5 = (8 \ 11 \ 13 \ 14 \ 15 \ 16)_6$

$t_{12} = (3 \ 5 \ 6 \ 18 \ 23)_5$

$t_6 = (1 \ 3 \ 5 \ 6 \ 16 \ 17 \ 18)_7$

$t_{13} = (3 \ 5 \ 14 \ 20 \ 21)_5$

$t_7 = (1 \ 5 \ 10 \ 19 \ 20)_5$

$t_{14} = (3 \ 6 \ 10 \ 11 \ 15 \ 20)_6$

k=1 Item: Count

1: 5 ✓	5: 7 ✓	9: 1	13: 3	17: 1	21: 2
2: 2	6: 8 ✓	10: 3	14: 4	18: 2	22: 1
3: 8 ✓	7: 3	11: 6 ✓	15: 2	19: 3	23: 1
4: 2	8: 5 ✓	12: 2	16: 2	20: 3	

Min Sup = 30% de 14  $\rightarrow \leq 4.2$

k=2

(1 3): 3	(1 11): 1	(3 11): 3	(6 8): 2
(1 5): 3	(3 5): 5 ✓	(5 6): 5 ✓	(6 11): 3
(1 6): 3	(3 6): 7 ✓	(5 8): 1	(8 11): 2
(1 8): 1	(3 8): 1	(5 11): 1	

k=3

(3 5 6): 6 ✓