1. 112753207 資計一 張詠軒

C_1	L_1	C_2	L_2	C_3	L_3
{a} 7	{a} 7	{a,b} 4	{a,b} 4	{a,b,d} 1	{a,d,e} 4
{b} 6	{b} 6	{a,d} 4	{a,d} 4	{a,b,e} 3	
{c} 5	{d} 6	{a,e} 6	{a,e} 6	{a,d,e} 4	
{d} 6	{e} 8	{b,d} 2	{b,e} 5	{b,d,e} 2	
{e} 8		{b,e} 5	{d,e} 5		
		{d,e} 5			

(a.)
$S(\{e\}) = 8/10 = 0.8$
$S(\{b,d\}) = 2/10 = 0.2$
$S(\{b,d,e\}) = 2/10 = 0.2$

(b.) $c(\{b,d\} \to \{e\}) = 0.2/0.8 = \frac{1}{4} = 0.25$
$c(\{e\} \to \{b,d\}) = 0.2/0.2 = 1.0$
⇒ not symmetric measure

2. {1,2,3}
{1,2,4}
{1,2,5}
{1,3,4}
{1,3,5}
{2,3,4}
{2,3,5}
{3,4,5}

	count
{1,2,3,4}	F 4
{1,2,3,5}	F 4
{1,2,4,5}	T 2
{1,3,4,5}	F 3
{2,3,4,5}	F 3

(a) {1,2,3,4}
{1,2,3,5}
{1,2,4,5}
{1,3,4,5}
{2,3,4,5}

(b) {1,2,3,4}
{1,2,3,5}

{1}
{2}
{3}
{4}
{5}

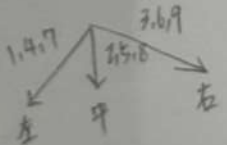
(a.) 左右右 {1,3,4} L_5
{1,3,5} L_1
{1,3,8} L_5
{1,4,5} L_1
{1,4,8} L_1

左中中 {1,5,8} L_3
右左中 {3,4,5} L_9
{3,4,8} L_9
{3,5,8} L_{11}
{4,5,8} L_3

⇒ $L_1, L_3, L_5, L_9, L_{11}$

3. {1,3,4,5,8}
{3,4,5,8} {4,5,8} {5,8}
{4,5,8} {5,8} {8} {5,8} {8} {8}
{1,3,4} {1,4,5} {1,5,8} {3,4,5} {3,5,8} {4,5,8}
{1,3,5} {1,4,8} {3,4,8}
{1,3,8}

1 mod 3 = 1
3 mod 3 = 0
5 mod 3 = 2
4 mod 3 = 1
6 mod 3 = 0
8 mod 3 = 2



(b) {1,4,5}, {3,5,8}, {4,5,8}