$$X$$
 Y
 Z
 S_2
 S_3

$$S_{2}$$
 S_{3} $I(X;Y|z)$

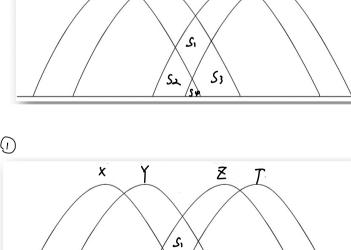
$$I(X; Z) = 0$$

$$Z$$

X

2.

3.



$$Y \perp Z \mid T = \rangle$$

$$S_1 + S_2 = 0, S_1 - S_2 = 0$$

$$I(Y; Z \mid (X,T))$$

$$= S_1 = 0$$

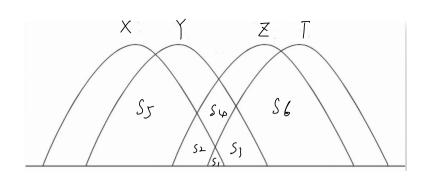
$$\therefore Y \perp Z \mid (X,T)$$

1(X;T)+1(Y;Z)

=2S4 + Si+52+S1

I(X;Z)+I(Y;T)

2



(3)

 $I(X;Y) + I(Z;I) = S_5 + S_2 + S_1 + S_6 + S_3 + S_1$

 $I(X;2) + I(Y;7) = S_2 + S_1 + S_1 + S_3$

... 不善成成是.