例 5.7

 $T_{1} = 120 + 180 = 300 \qquad T_{2} = 140 + 120 + 130 = 340$ $T_{3} = 190 + 170 + 210 = 570 \qquad T_{4} = 240 + 300 = 540$ $T = 300 + 390 + 1570 + 540 = \sum_{i=1}^{6} \sum_{j=1}^{6} y_{i,j} = 1800$ $\frac{4}{5} \prod_{i=1}^{6} \frac{1}{7} j = 120^{2} \times 180^{2} + 140^{2} + \dots + 240^{2} + 300^{2} = 354400$ $55T = 354400 - \frac{(1800)^{2}}{20} + \frac{540^{2}}{3} + \frac{540^{2}}{2} - \frac{1800^{2}}{10} = 25800$ SSE = SSI - SSTR = 30400 - 25800 = 4600

變異來源	平方和	自由度	均方
處理	SSTR =2800	4-1=3	MSTR = 25800
隨機誤差	SSE = 4600	10-4=6	MSE = 4600
OF 833	SST = 30400	10-1=9	

例 9.8

顯著水準為のむ

Ho: a = a = a = a = a +

變異來源	平方和	色由膜	均 克	F值
包裝材料	55TR=25800	4-1=3	MSTR=8600	767 = 11.2
隨機凝差	SSE = 4600	9- 3=6	MSE = 767	
總和	SST =30400	10-1=9		
		•		

F=11.2>Fo.os(3.6)=4.76 有達別