



# Design of Experiments

✓ : , , , , 가

✓ : 가 가 가

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1

2

1.

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• : (A), (B)

• :  
A1=70C, A2=75C, A3=80C, A4=85C  
B1=40min, B2=44min, B3=48min

• :  
A1B1, 91.5%

(A1 )

Control	A1	B1	91.5	-
	A1	B2	92.2	+0.7
	A1	<b>B3</b>	92.8	+1.3

: **A1B3**, =91.5+1.3=92.8 (?)

(B1 )

Control	A1	B1	91.5	-
	A2	B1	91.9	+0.4
	A3	B1	93.0	+1.5
	A4	B1	92.8	+1.3

: A3B1, =91.5+1.3+1.5=94.3 (?)

(B3 )

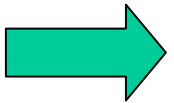
Control	A1	B3	91.5	-
	A2	B3	93.1	+1.6
	A3	B3	92.6	+1.1
	A4	B3	92.3	+0.8

: A2B3, =91.5+1.3+1.6=94.4 (?)

2

	A1	A2	A3	A4
B1	91.5	91.9	93.0	92.8
B2	92.2	92.9	93.8	94.0
B3	92.8	93.1	92.6	92.3

: **A4B2**, not A1B3 nor A3B1 nor A2B3



) 가 (



# 2.

- 가

A1 ( I)		A2 ( II)	
1	3.2	6	2.8
2	3.5	7	2.5
3	2.9	8	2.4
4	3.0	9	2.9
5	3.4	10	2.6

- A1 , A2

- ,

# 3.

- A            70~80C
- A    가
  
- 60~90C                    가
  
- 가

# 4. ( 1 )

- 가

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I: 7,8,9,10,11 ( 9.0)

II: 8,9,10,10,11 ( 9.6)

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가

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II가

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1 :

가

( )

5.

2

- , 가 5%
- 가
- 가
- 10%, 20%
- 2 : 가  
( )

6.

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1.

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2.

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3.

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2~5

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6.

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