

U,  
 $= \min\{3(U)\}.$  (1)

$$\xrightarrow{1-} \xrightarrow{2-} \xrightarrow{3-} \xrightarrow{n-}$$

B:  $1^1, 2^2, 3^3, \dots, n^n;$

$$\begin{matrix} : & 1 & 1 & 1 & \dots & 1; \\ & 1^1 & 2^2 & 3^3 & \dots & n^n; \\ : & 1 & 1 & 1 & \dots & 1; \\ & 1^1 & 2^2 & 3^3 & \dots & n^n; \end{matrix}$$

$( \quad )$

$1^2, 2^2, 3^2, \dots, n^2;$

$\frac{2}{1}, \frac{2}{2}, \frac{2}{3}, \dots, \frac{2}{n};$

$\frac{1,2}{1}, \frac{1,2}{2}, \frac{1,2}{3}, \dots, \frac{1,2}{n};$

$\frac{1,2}{1}, \frac{1,2}{2}, \frac{1,2}{3}, \dots, \frac{1,2}{n};$

$\frac{1,2}{1}, \frac{1,2}{2}, \frac{1,2}{3}, \dots, \frac{1,2}{n};$

$( \quad )$

1

$\frac{1,2}{1}$	$\frac{1,2}{1}$	$\frac{1,2}{2}$	$\frac{1,2}{3}$	...	$\frac{1,2}{n}$
$\frac{1,2}{2}$					
$\frac{1,2}{3}$					
$\frac{1,2}{n}$					
$\frac{1,2}{1}$	$\frac{2}{1}$	$\frac{2}{2}$	$\frac{2}{3}$	...	$\frac{2}{n}$

$( \quad )$

$\frac{1,2}{1}$

$( \quad )$

$( \frac{1,2}{n} )$

$\frac{2}{n} + \frac{1}{n} = \frac{1,2}{n}$

$( \quad )$

2

2	$\frac{2}{1}$	$\frac{2}{2}$	$\frac{2}{3}$	...	$\frac{2}{n}$
$\frac{1,2}{1}$	$\frac{1,2}{1}$	$\frac{1,2}{2}$	$\frac{1,2}{3}$	...	$\frac{1,2}{n}$
$\frac{1,2}{1}$	$\frac{1,2}{1}$	$\frac{1,2}{2}$	$\frac{1,2}{3}$	...	$\frac{1,2}{n}$

. 2 . , - ( ; ) i- ;  
 - .1 1 - i+1  
 , , - ,  
 .2. i- 3- .  
 .1 ,

$1^3, 2^3, 3^3, \dots, n^3;$   
 $1^3, 2^3, 3^3, \dots, n^3;$   
 $1^3, 2^3, 3^3, \dots, n^3;$   
 $1, 2, 3, \dots, n;$   
 $1, 2, 3, \dots, n;$   
 $1, 2, 3, \dots, n;$   
 .3 4.  
 ) i- ; ( 3

1,2,3	1,2,3 1	1,2,3 2	1,2,3 3	...	1,2,3 n
1,2,3 1					
1,2,3 2					
1,2,3 3					
...					
1,2,3 n					
3	3 1	3 2	3 3	...	3 n

4

3	3 1	3 2	3 3	...	3 n
1,2,3	1,2,3 1	1,2,3 2	1,2,3 3	...	1,2,3 n
1,2,3	1,2,3 1	1,2,3 2	1,2,3 3	...	1,2,3 n

.4  
 ( 1,2,3 )  
 (m).

$1^m, 2^m, 3^m, \dots, n^m;$   
 $1^m, 2^m, 3^m, \dots, n^m;$   
 $P_1^m, P_2^m, P_3^m, \dots, P_n^m.$

( )

$(P_1^m)$

$(m-1)$   
 $(P - P_1^m)$

$\binom{m}{1}$

$(P - P_1^m)$

$(P - P_1^m)$   
 $(P^{m-1}),$

$(P - P_1^m - P^{m-1})$

1.

2.

3.

10.11.2011 .