1 n=13=> A[1]~A[13], B[0]~B[12] Line 3.4: B[0]:0.01 B[1]:0.15 B[2]:0,23 B[3]:0.27 B[4]: B[5]: B[6]: B[7]: 0.57 -> 0.59 -> 0.61 B[8]:0.69 B[9]: 0.76 B[10]: 0.79

B[11]: 0.87

B[12]: 0.99 -> 0.98

```
Line 5.6:
       B[0]:0.01
       B[1]:0.15
       B[2]:0,23
      B[3]:0.27
      B[4]:
      B[5]:
      B[6]:
     B[7]: 0.57 -> 0.59 -> 0.61
      B[8]:0.69
      B[9]:0.76
      B[10]: 0.79
     B[11]: 0.87
     B[12]: 0.98 -> 0.99
Line 7:
   0.01 \rightarrow 0.15 \rightarrow 0.23 \rightarrow 0.27 \rightarrow 0.57 \rightarrow 0.59 \rightarrow 0.61
   \rightarrow 0.69 \rightarrow 0.76 \rightarrow 0.79 \rightarrow 0.87 \rightarrow 0.98 \rightarrow 0.99
```

$$A_{1}A_{2} = 20 \times 25 \times 15 = 7500$$

$$A_{2}A_{3} = 25 \times 15 \times 10 = 3750$$

$$A_{3}A_{4} = 15 \times 10 \times 20 = 3000$$

$$A_{4}A_{5} = 10 \times 20 \times 30 = 6000$$

A, ~ A ;

$$(A, A_2)A_3 = 7500 + 20x15x10 = 10500$$

$$A_1(A_2, A_3) = 20x25x10 + 3750 = 8750$$

A2~ A4:

$$(A_{2}A_{3})A_{4} = 3750 + 25x/0x20 = 8750$$
  
 $A_{2}(A_{3}A_{4}) = 25x15x20 + 3000 = 10500$   
 $A_{3} \sim A_{5}$ :

$$(A_3 A_4) A_5 = 3000 + 15 \times 20 \times 30 = 12000$$

$$A_3 (A_4 A_5) = 15 \times 10 \times 30 + 6000 = 10500$$

 $A_1 \sim A_4$ :  $(A_1 A_2 A_3) A_4 = 8750 + 20 \times 10 \times 20 = 12750$   $A_1 (A_2 A_3 A_4) = 20 \times 25 \times 20 + 8750 = 18750$   $(A_1 A_2) (A_3 A_4) = 7500 + 20 \times 15 \times 20 + 3000$ = 16500

: min = 12750

 $A_{2} \sim A_{5}:$   $(A_{3}, A_{4}, A_{5}) = 8750 + 25 \times 20 \times 30 = 23750$   $A_{2}(A_{3}, A_{4}, A_{5}) = 25 \times 15 \times 30 + 10500 = 21750$   $(A_{3}, A_{4}, A_{5}) = 3750 + 25 \times 10 \times 30 + 6000$   $(A_{3}, A_{3}) (A_{4}, A_{5}) = 3750 + 25 \times 10 \times 30 + 6000$  = 17250

1. min = 17250

 $A_1 \sim A_5$ :  $(A_1 A_2 A_3 A_4) A_5 = 12750 + 20x20x30$ = 24750  $A_{1}(A_{2}A_{3}A_{4}A_{5}) = 20x 25x30 + 17250$  = 32250  $(A_{1}A_{2}A_{3})(A_{4}A_{5}) = 8750 + 20x10x30 + 6000$  = 20750  $(A_{1}A_{2})(A_{3}A_{4}A_{5}) = 7500 + 20x15x30 + 10500$  = 27000

≤ min = ≥0750