

22 CSP (Cube Solver Program) ver.1 Manual (English)

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This is CSP(Cube Solver Program) which is solve your 2x2(x2) cube. You can use this program when you feel difficulty, solving the cube.

//Please execute CSP after read this Manual.

- Features
 1. Fast and Light
 2. Source code is so simple
 3. EXE file
(Activate on Ms Windows; can actions EXE FILE)
 4. Print out the result stage by stage.
 5. Update with various functions.
- Screenshot

```
Welcome to 2X2 CSP(Cube Solver Program)                      Made by J.S.b
Please enter the cube colers
RED      -> 1
ORANGE   -> 2
YELLOW   -> 3
GREEN    -> 4
BLUE     -> 5
WHITE    -> 6
In the order of U, L, F, R, B, D faces
```

<Main Screenshot>

```
Welcome to 2X2 CSP(Cube Solver Program)                      Made by J.S.b
Please enter the cube colers
RED      -> 1
ORANGE   -> 2
YELLOW   -> 3
GREEN    -> 4
BLUE     -> 5
WHITE    -> 6
In the order of U, L, F, R, B, D faces
1 2 4 3 6 2 6 4 5 3 4 2 1 3 1 6 4 5 6 5 5 1 3 2
Solving. . .
U U U D R' D' R' U U R U R' U' R U R' U' R U R' U' - step 1
D R D D R' D' R D D R' B R' B' R - step 2
U U U F R U R' U' R U R' U' F' - step 3
U' R U' R' U' F F U' R U R' U F F - step 4
Complete the solution
(Result is : 1 1 1 1 6 6 6 6 4 4 4 4 3 3 3 3 5 5 5 5 2 2 2 2 )
If you have any question or Feedback about CSP, please post with the input number!
CSP always WELCOME!
Press any key to continue . . .
```

<Example Screens>

- Way to execute
 1. Double click CSP icon.
 2. Input cube numbers(Input 'Space' between numbers)
<Input method is behind>
 3. Press Enter
 4. Check method solving the Cube & Solve the Cube

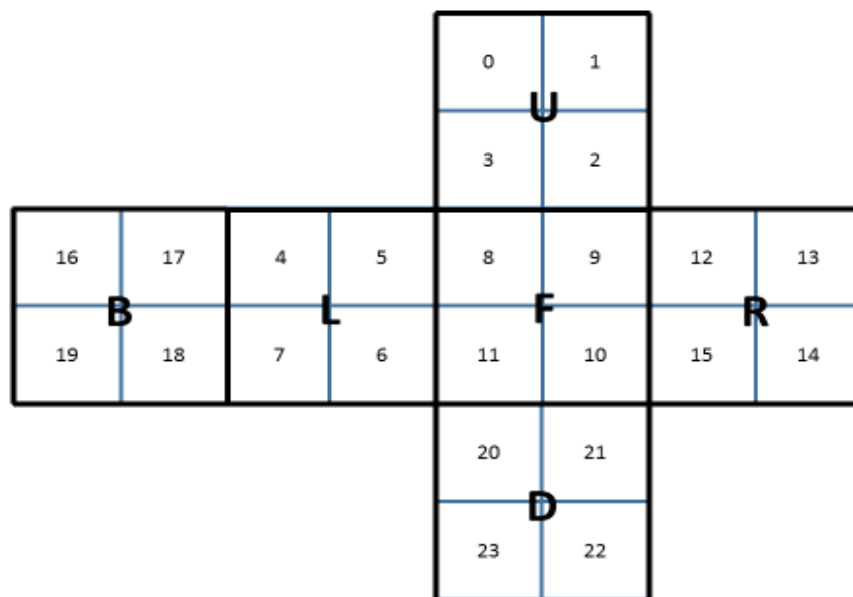
- Way to Input

1. Sequence of Input faces : **U -> L -> F -> R -> B -> D**

2. Input the Number method according to color

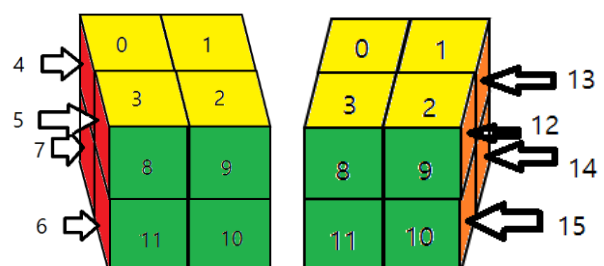
Red	Orange	Yellow	Green	Blue	White
1	2	3	4	5	6

3. Placing a cube number



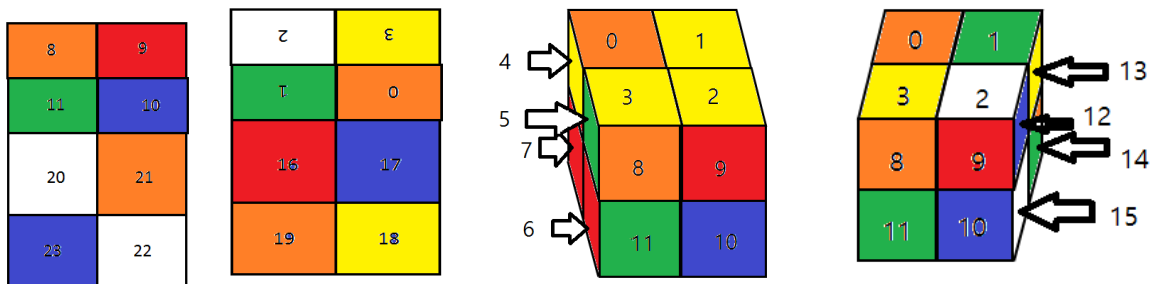
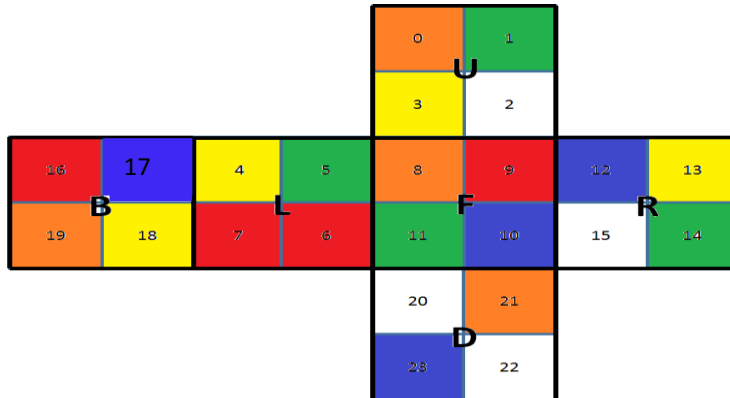
8	9
11	10
20	21
23	22

2	3
1	0
16	17
19	18



Warning! Color cubes with numbers in the above arrangement don't have any means, it exists to show where the faces!

4. Example



Input : 2 4 6 3 3 4 1 1 2 1 5 4 5 3 4 6 1 5 3 2 6 2 6 5

Output

```
2x2 CSP(Cube Solver Program)입니다.           Made by J.S.b
Please enter the cube colors
백간색 -> 1
주황색 -> 2
노란색 -> 3
초록색 -> 4
파란색 -> 5
흰색 -> 6
U, L, F, R, B, D면 순서로
2 4 6 3 3 4 1 1 2 1 5 4 5 3 4 6 1 5 3 2 6 2 6 5
해결중...
U U' R' F U U R U' R' - 1단계
R D D R' D' R D D R' B R' B' R - 2단계
U U R U' R' U R U R' - 3단계
R U U R' U' R U U R' F R' F' R U U U - 4단계
큐브 해결방법을 찾았습니다.
(결과 : 4 4 4 4 1 1 1 1 6 6 6 6 2 2 2 2 3 3 3 3 5 5 5 5)
만약 CSP에 관하여 피드백이나 질문이 있으면 입력 숫자와 함께 입력해 주십시오
CSP는 언제나 환영합니다!
계속하려면 아무 키나 누르십시오...
```

Thank you for using this program!

I hope It will help you to solve the cube and improve your cube knack of solving.

It will be updated continuously and we're always welcome that Tip or Opinion.