3)

No Rotation (1) (2) (4) (5) (6) (7) (8) (9) (10) (11) (12) (1)¹²
Rotate around face centers (1 2 3 4) (5 6 7 8) (9 10 11 12) (4)³

Rotale around fore center 450° (13) (24) (57) (68) (9 15) (4012) (2)6

(3)4

As take around middle. (1 12) (2 11) (3 10) (4 9) (5 7) (6 8)

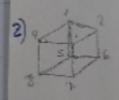
Rolate around diag = 120° (17 10)(236)(4 415) (8 9 12)

[[22+6.23+4.26+8.24)] 124=[202]

There are two possible solutions for each of the matches. Can be considered as having two colors.

1) The number of colorings for the bringles: $3^3 = 27$ Group of symmetries: $D_3 = \{p_1^2 = 1, p_2, p_3^2, T_1, T_2, T_3\}$

To be fixed colors
must be identical
a=3 chaices
b= 3 chaices
3×3=9



- No mov.

- Face center to face center rotate ± 90°

- Face cents to face center robbe 1800

- Edge middle point to edge middle point user

- Diagonal line as shaft rahabe twoor

(4)₈ 4

(4)2 2.3

(2)4 3

(2)4 6

(A)2(3)2 2.4

- Order 29

=> p=[(++b+d)8+(+4+b+b+d4)6+(+2+b2+d2)4.9+8.(++b+d)2(+2+b2+d2)2]/24

=[420+9.42]/24

=[22]