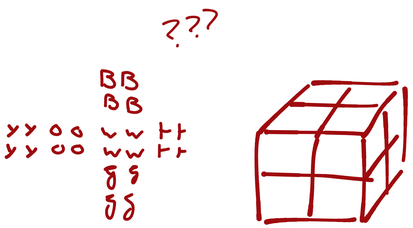


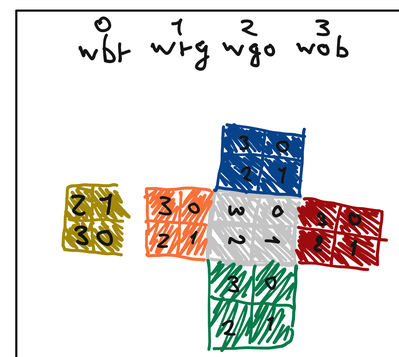
REPRESENTATION

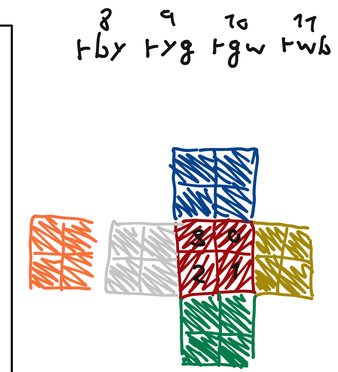
—wbrgoy→

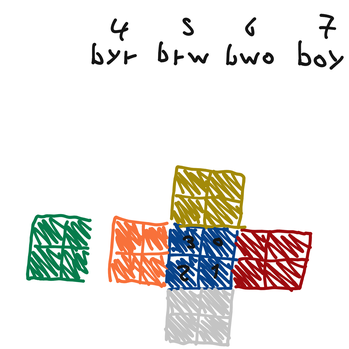
[wbr, wrg, wgo, wob, byr, brw, bwo, boy,

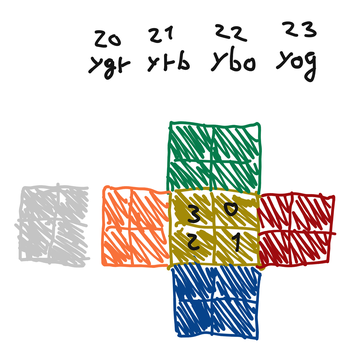
rby, ryg, rgw, rwb, gwr, gry, gro, gow,

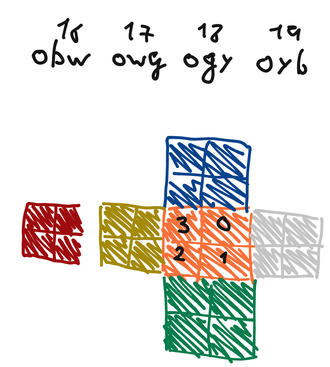
obw, owg, ogy, oyb, ygr, yrb, ybo, yog]

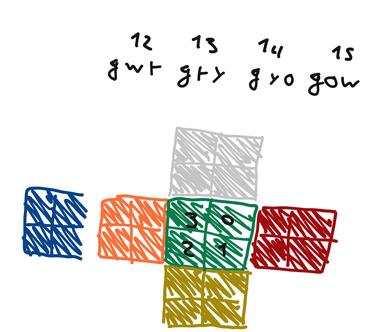






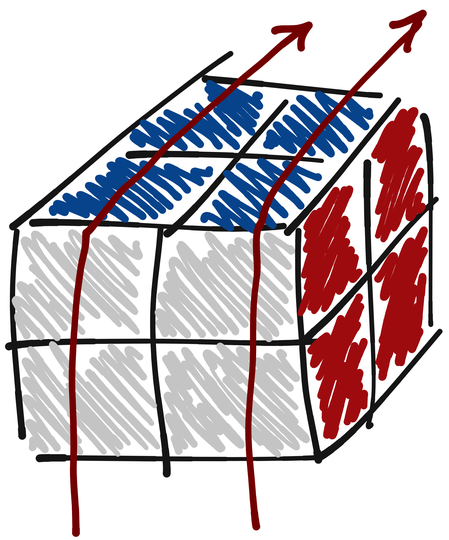




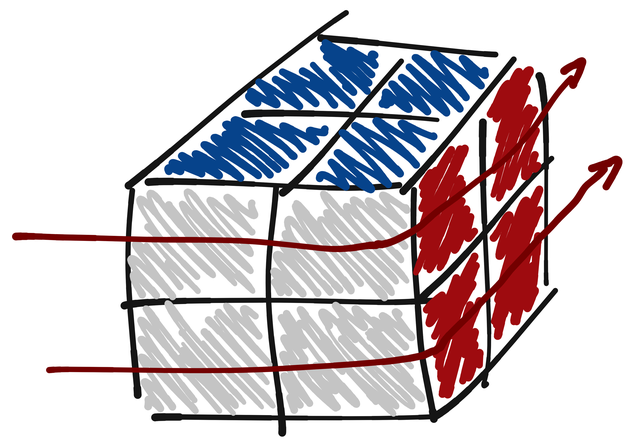


MOVEMENTS

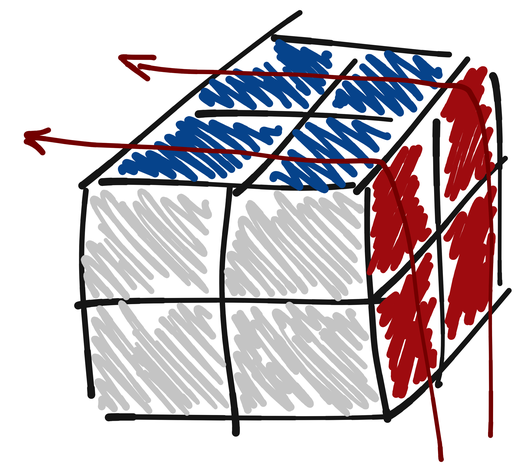
6 movements with 3 posible positions for each = 18 new states



upwards_left
upwards_right

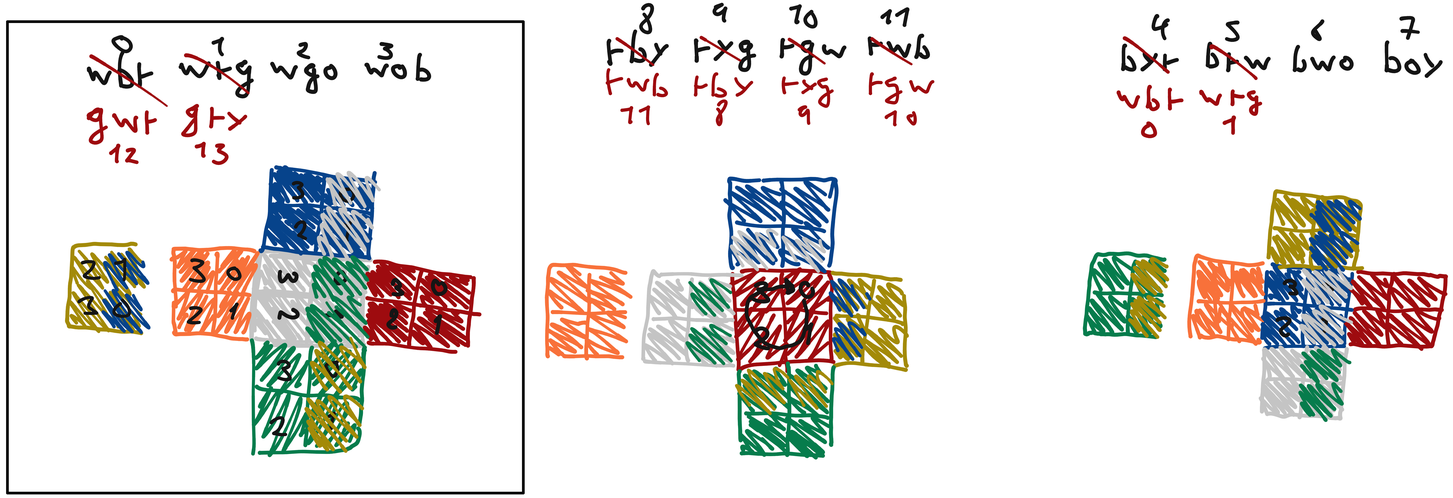


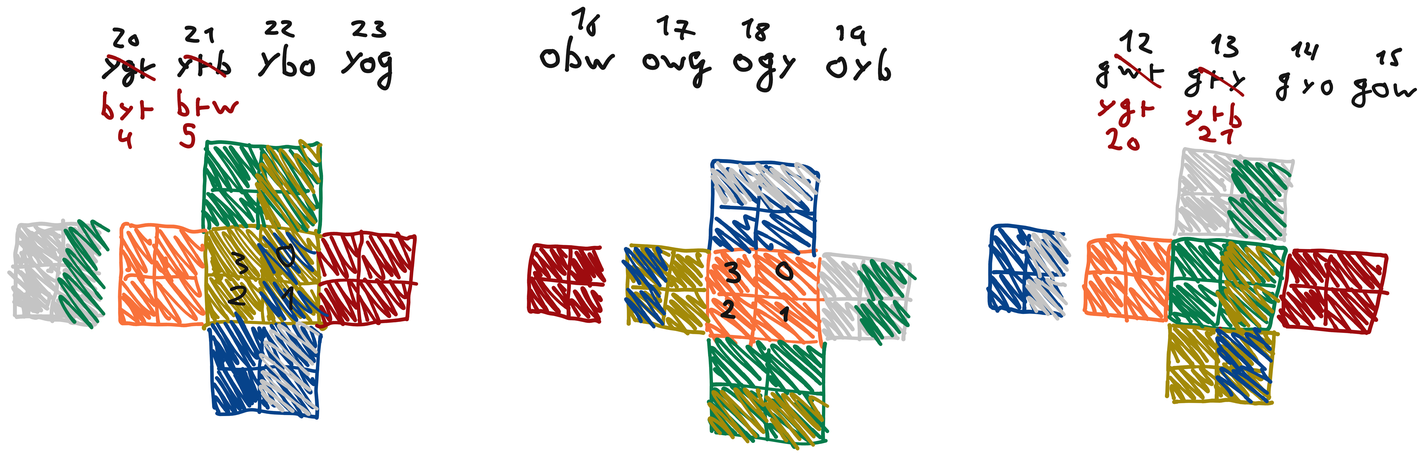
to_right_top
to_right_bottom



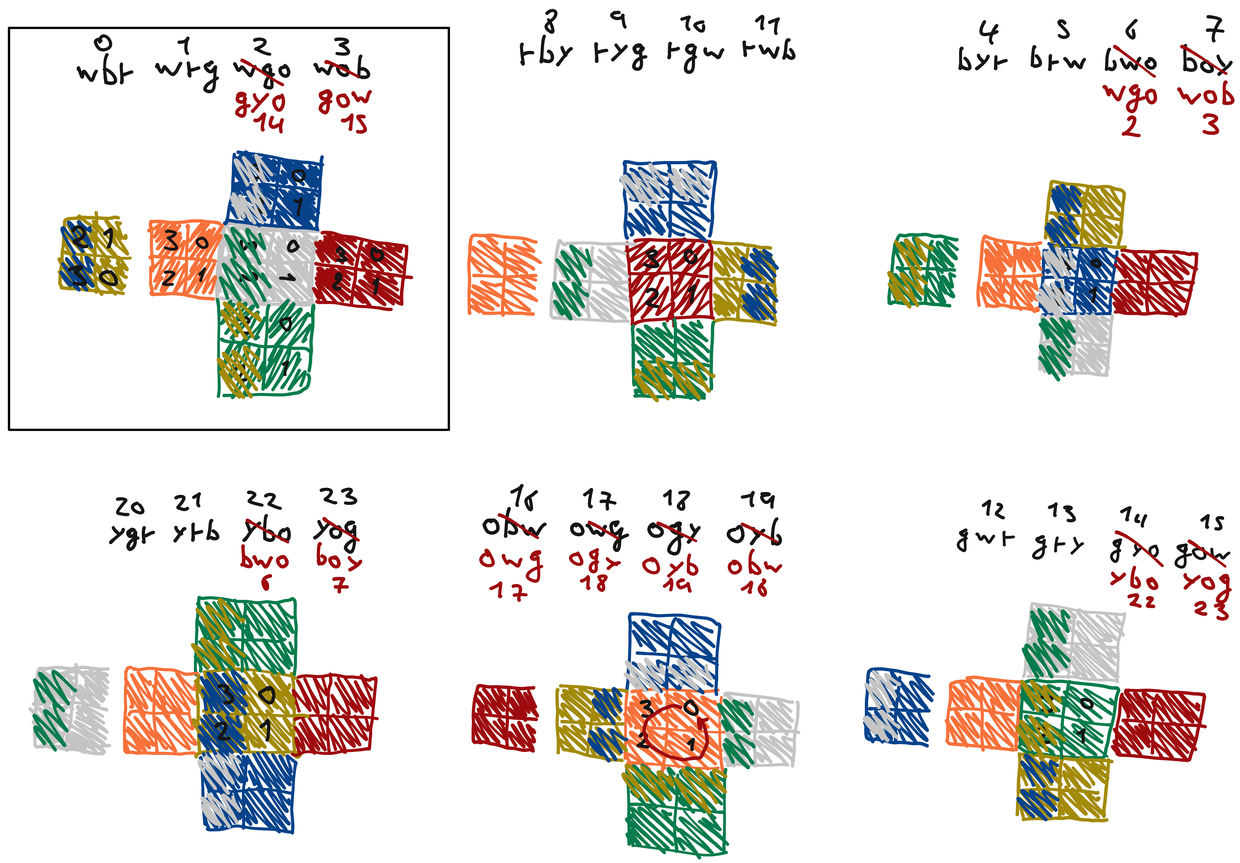
turn_front
turn_back

UPWARDS – RIGHT (R)

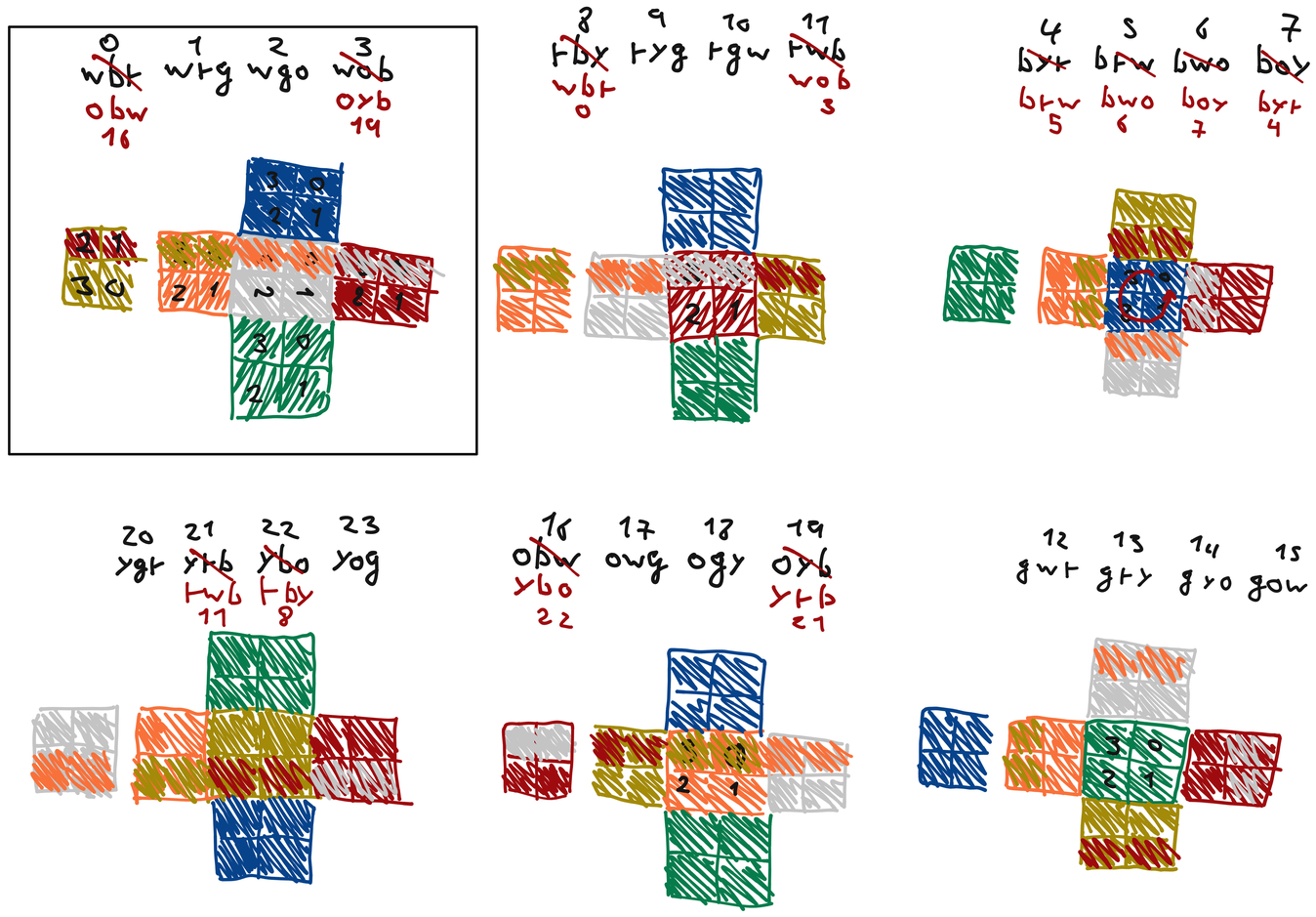




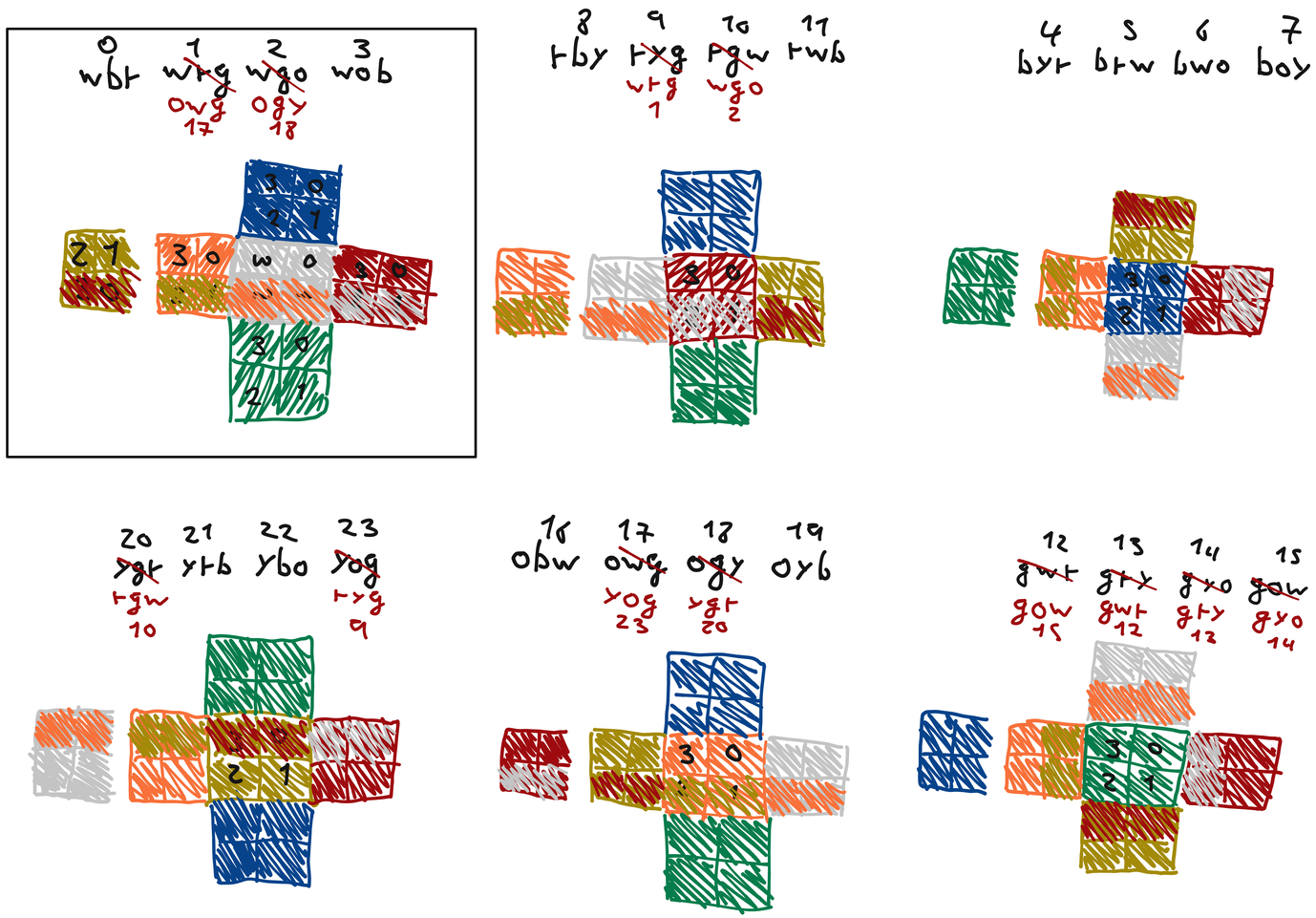
UPWARDS – LEFT (L')



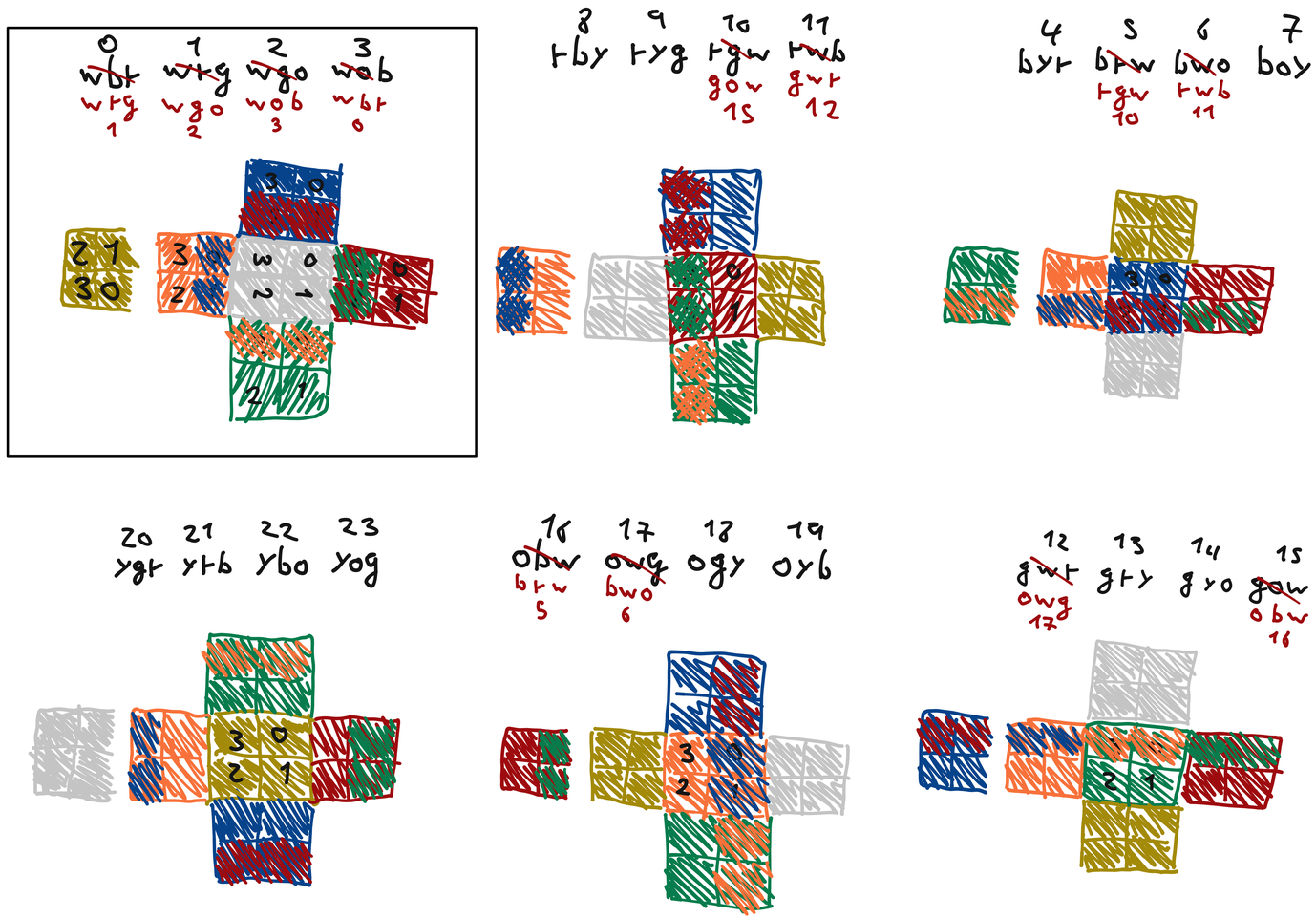
TO_RIGHT_TOP(U')



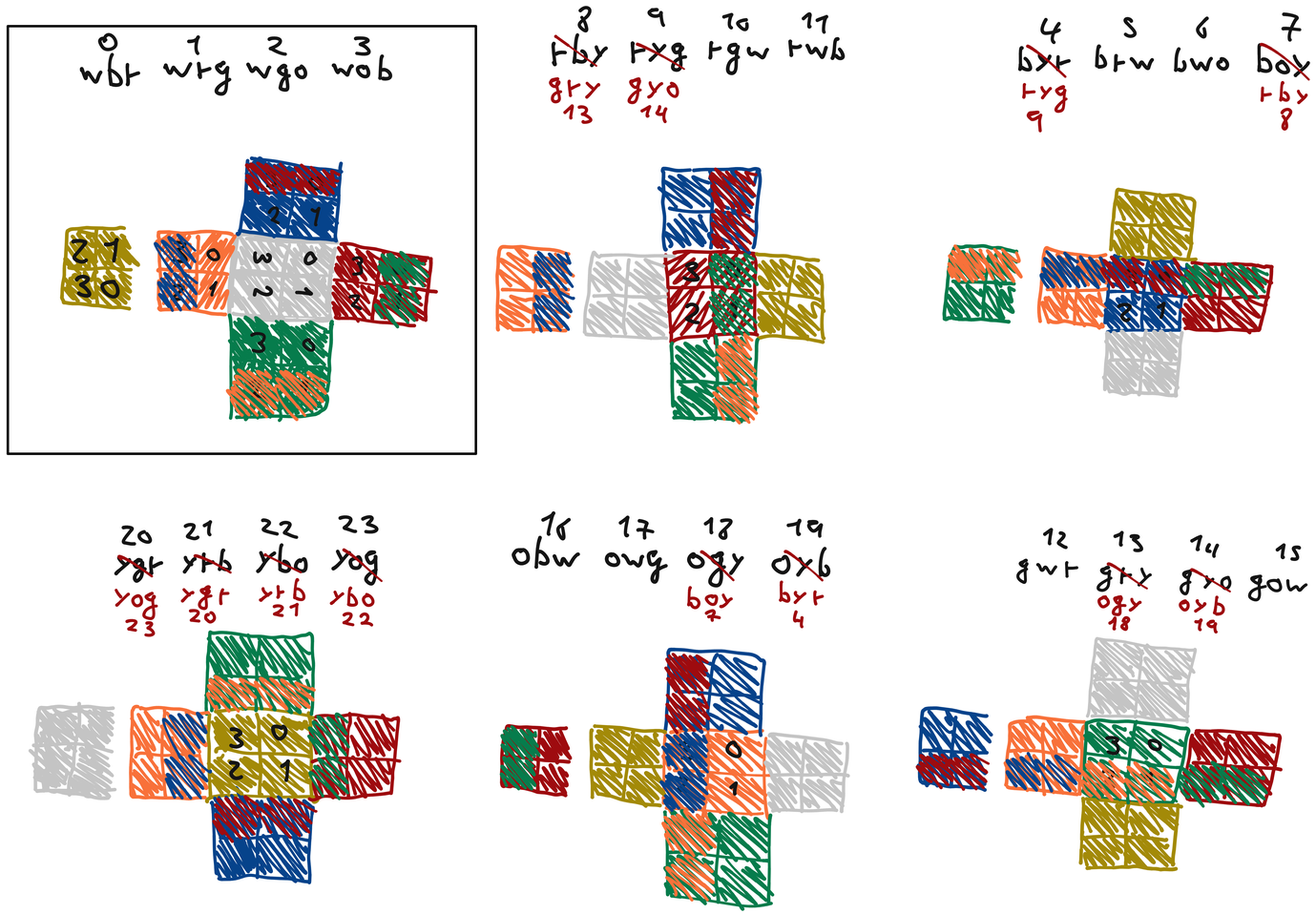
TO_RIGHT_BOTTOM(D)



TURN_FRONT(F')


0 1 2 3
wbr wrg wgo wob
wrg wgo wob wbr
1 2 3 0
8 9 10 11
rby ryg rgw rwb
gow gwr
15 12
4 5 6 7
byr brw bwo boy
rgw rwb
10 11
20 21 22 23
ygr yrb ybo yog
16 17 18 19
obw owg ogy oyb
brw bwo
5 6
12 13 14 15
gwr gry gyo gow
owg obw
17 16

TURN_BACK(B)


0 1 2 3
wbr wrg wgo wob
8 9 10 11
rby rxg rgw rwb
gry gyo
13 14
4 5 6 7
bxr brw bwo box
ryg rby
9 8
20 21 22 23
xgr xrb xbo xog
yog ygr yrb ybo
23 20 21 22
18 17 18 19
obw owg ogy oxb
boy byr
7 4
12 13 14 15
gwr gry gxo gow
ogy oyb
18 19