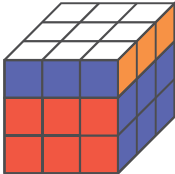
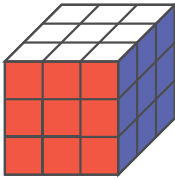


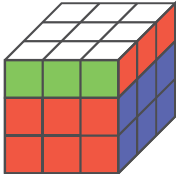
Méthode avancée pour remonter le Rubik's cube

(Jessica Fridrich)

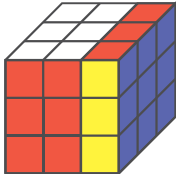
Notation internationale (la plus utilisée)



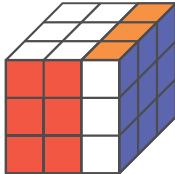
U



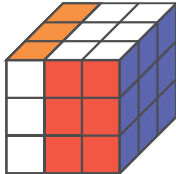
U'



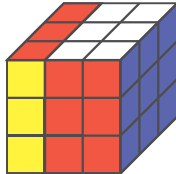
R



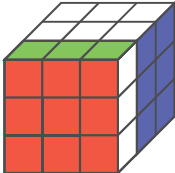
R'



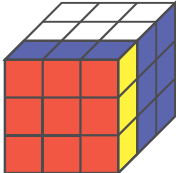
L



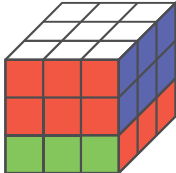
L'



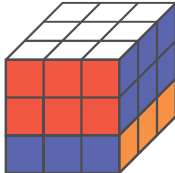
F



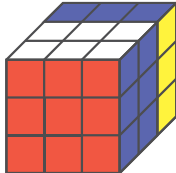
F'



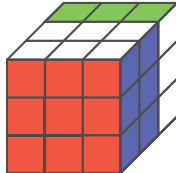
D



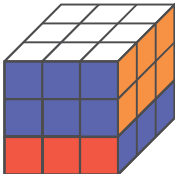
D'



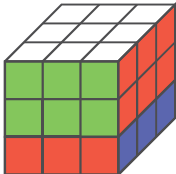
B



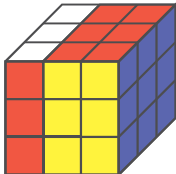
B'



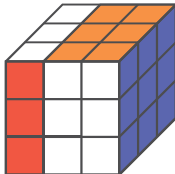
u



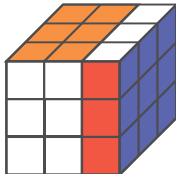
u'



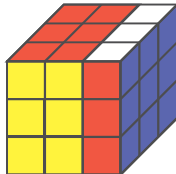
r



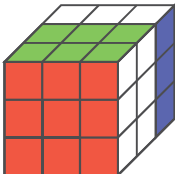
r'



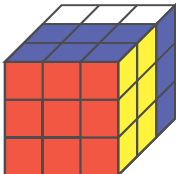
l



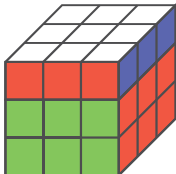
l'



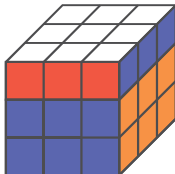
f



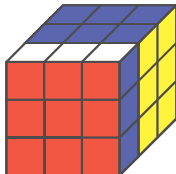
f'



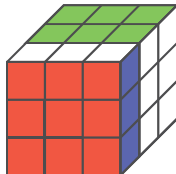
d



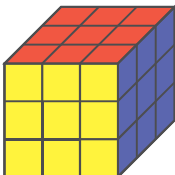
d'



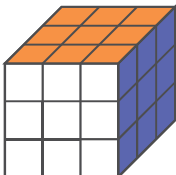
b



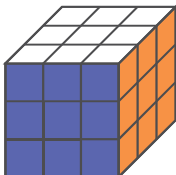
b'



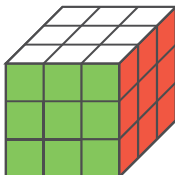
x



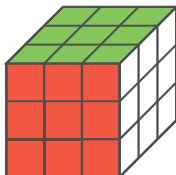
x'



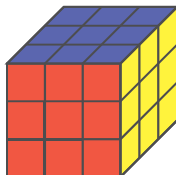
y



y'

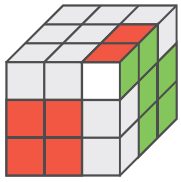


z

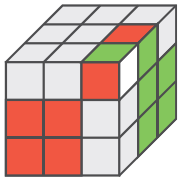


z'

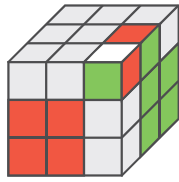
F2L : First Two Layer - Les deux premières couronnes d'abord



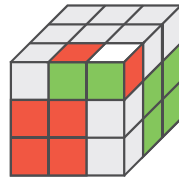
U R U' R'



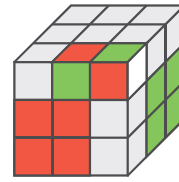
U' R U' R'
U R U R'



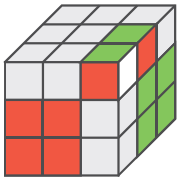
R U2 R' U'
R U R'



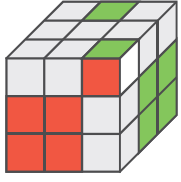
R U R' F' U
F R U R'



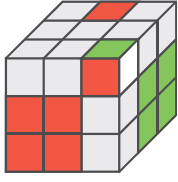
R' U2 R2 U
R2 U R



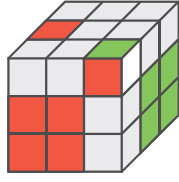
R U' R' U2
F' U' F



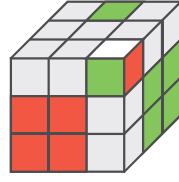
F' U' L' U2
L U' F



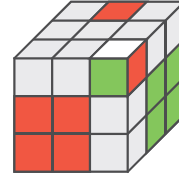
R U R'



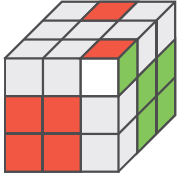
U' R U R' U
R U R'



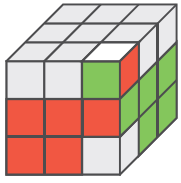
F' L' U2 L F



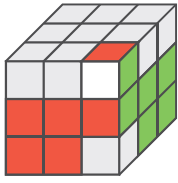
U R U2 R'
U R U' R



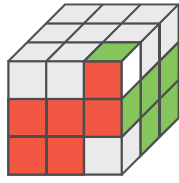
U' R U R'
U2 R U' R'



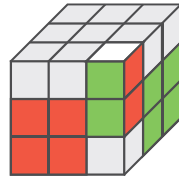
R2 U R2 U
R2 U2 R2



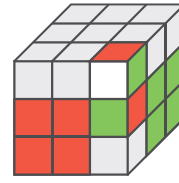
U' R U' R'
U2 R U' R'



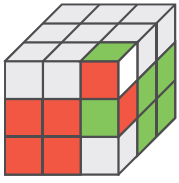
U' R U2 R'
U R U R'



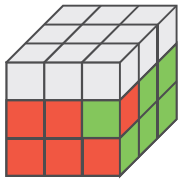
R U' R' U
F' U F



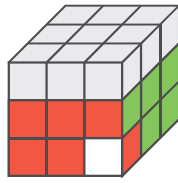
U2 R U R' F
R' F' R



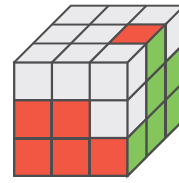
U2 F' U F U
R U R'



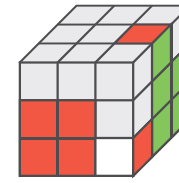
R U' R U2 F
R2 F' U2 R2



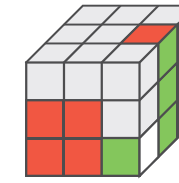
R U2 R U2 F
R F' U2 R2



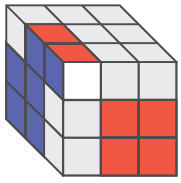
U' F' U F R'
F R F'



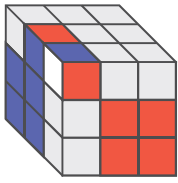
R U' R' U R
U' R'



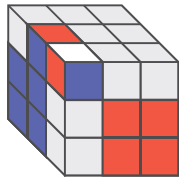
R U R' U' R
U R'



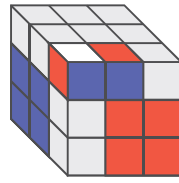
U' L' U L



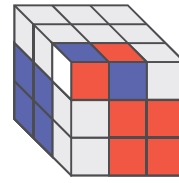
U L' U L U'
L' U' L



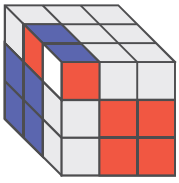
L' U2 L U L'
U' L



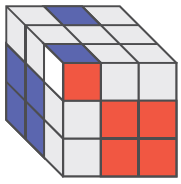
L' U' L F U'
F' L' U' L



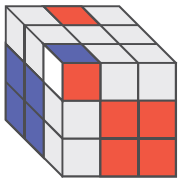
L U2 L2 U'
L2 U' L'



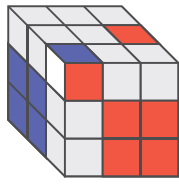
L' U L U2 F
U F'



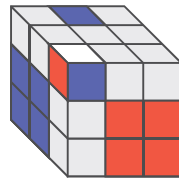
F U R U2 R'
U F'



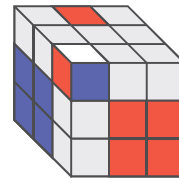
L' U' L



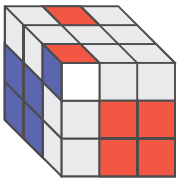
U L' U' L U'
L' U' L



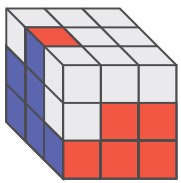
F R U2 R'
F'



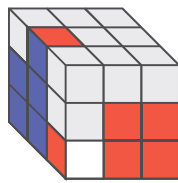
U' L' U2 L
U' L' U L



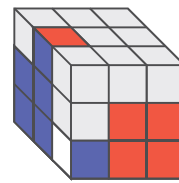
U L' U' L
U2 L' U L



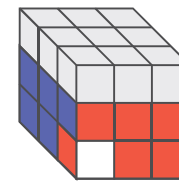
U F U' F' L
F' L' F



L' U L U' L'
U L

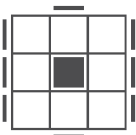
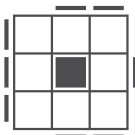
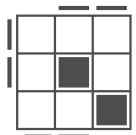
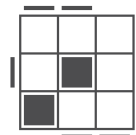
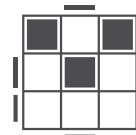
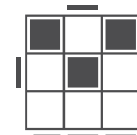
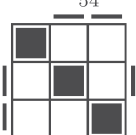
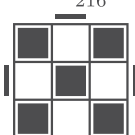
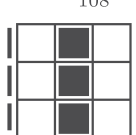
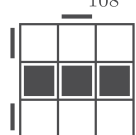
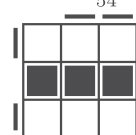
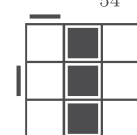
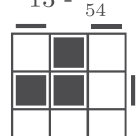
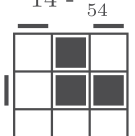
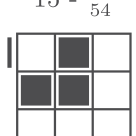
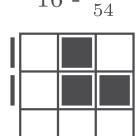
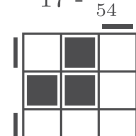
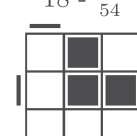
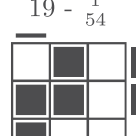
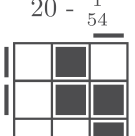
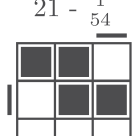
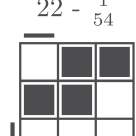
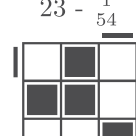
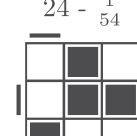
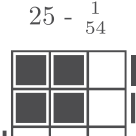
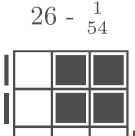
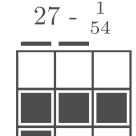
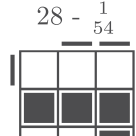
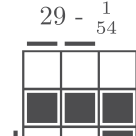
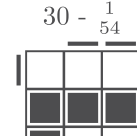
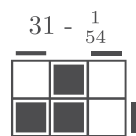
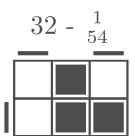
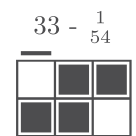
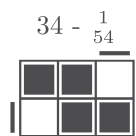
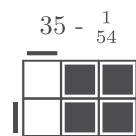
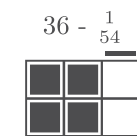
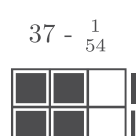
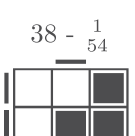
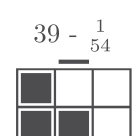
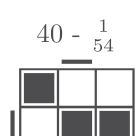
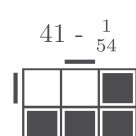
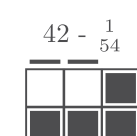


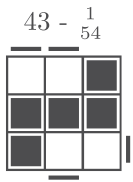
L' U' L U L'
U' L



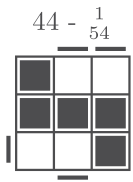
L' U2 L' U2
F' L' F U2 L2

OLL : Orient Last Layer - Orientation de la dernière couronne

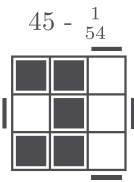
<p>1 - $\frac{1}{108}$</p>  <p>R U2 R2 F R F' U2 R' F R F'</p>	<p>2 - $\frac{1}{54}$</p>  <p>F R U R' U' F' f R U R' U' f'</p>	<p>3 - $\frac{1}{54}$</p>  <p>l L2 U' L U' l' U2 l U' L l'</p>	<p>4 - $\frac{1}{54}$</p>  <p>r' R2 U R' U r U2 r' U R' r</p>	<p>5 - $\frac{1}{54}$</p>  <p>r' U2 R U R' U r2 U2 R' U' R U' r'</p>	<p>6 - $\frac{1}{54}$</p>  <p>r U R' U R U2 r2 U' R U' R' U2 r</p>
<p>7 - $\frac{1}{54}$</p>  <p>R U R' U R' F R F' U2 R' F R F'</p>	<p>8 - $\frac{1}{216}$</p>  <p>r' R U R U R' U' r2 R2 U R U' r'</p>	<p>9 - $\frac{1}{108}$</p>  <p>R U2 R2 U' R U' R' U2 F R F'</p>	<p>10 - $\frac{1}{108}$</p>  <p>F R U R' U' R F' r U R' U' r'</p>	<p>11 - $\frac{1}{54}$</p>  <p>f R U R' U' R U R' U' f</p>	<p>12 - $\frac{1}{54}$</p>  <p>R' U' R U' R' U F' U F R</p>
<p>13 - $\frac{1}{54}$</p>  <p>r U2 R' U' R U R' U' R U' r'</p>	<p>14 - $\frac{1}{54}$</p>  <p>l' U2 L U L' U' L U L' U l</p>	<p>15 - $\frac{1}{54}$</p>  <p>F R' F2 L F2 R F2 L' F</p>	<p>16 - $\frac{1}{54}$</p>  <p>F' L F2 R' F2 L' F2 R F'</p>	<p>17 - $\frac{1}{54}$</p>  <p>F R U R' U' R U R' U' F'</p>	<p>18 - $\frac{1}{54}$</p>  <p>F' L' U' L U L' U' L U F</p>
<p>19 - $\frac{1}{54}$</p>  <p>r U R' U R U2 r' l' U' L U' L' U2 l</p>	<p>20 - $\frac{1}{54}$</p>  <p>l' U' L U' L' U2 l</p>	<p>21 - $\frac{1}{54}$</p>  <p>r R2 U' R U' R' U2 R U' R r'</p>	<p>22 - $\frac{1}{54}$</p>  <p>l' L2 U L' U L U2 L' U L' l</p>	<p>23 - $\frac{1}{54}$</p>  <p>R' U' R F R' F' U F R F'</p>	<p>24 - $\frac{1}{54}$</p>  <p>L U L' F' L F U' F' L' F</p>
<p>25 - $\frac{1}{54}$</p>  <p>l' U2 L U L' U l</p>	<p>26 - $\frac{1}{54}$</p>  <p>r U2 R' U' R U' r'</p>	<p>27 - $\frac{1}{54}$</p>  <p>F U R U2 R' U' R U R' F'</p>	<p>28 - $\frac{1}{54}$</p>  <p>F' U' L' U2 L U L' U' L F</p>	<p>29 - $\frac{1}{54}$</p>  <p>r' U' r R' U' R U r' U r</p>	<p>30 - $\frac{1}{54}$</p>  <p>l U l' L U L' U' l U' l'</p>
<p>31 - $\frac{1}{54}$</p>  <p>R U R' U R U2 R' F R U R' U' F'</p>	<p>32 - $\frac{1}{54}$</p>  <p>L' U' L U' L' U2 L F' L' U' L U F</p>	<p>33 - $\frac{1}{54}$</p>  <p>R U R' U' R U' R' F' U' F R U R'</p>	<p>34 - $\frac{1}{54}$</p>  <p>L' U' L U L' U L F U F' L' U' L</p>	<p>35 - $\frac{1}{54}$</p>  <p>R' U' F U R U' R' F' R</p>	<p>36 - $\frac{1}{54}$</p>  <p>L U F' U' L' U L F L'</p>
<p>37 - $\frac{1}{54}$</p>  <p>F R' F' R U R U' R'</p>	<p>38 - $\frac{1}{54}$</p>  <p>f R U R' U' f'</p>	<p>39 - $\frac{1}{54}$</p>  <p>f' L' U' L U f</p>	<p>40 - $\frac{1}{54}$</p>  <p>R U2 R2 F R F' R U2 R'</p>	<p>41 - $\frac{1}{54}$</p>  <p>F R U R' U' F'</p>	<p>42 - $\frac{1}{54}$</p>  <p>R U R' U' R' F R F'</p>



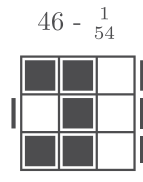
43 - $\frac{1}{54}$
 $L F' L' U' L U F$
 $U' L'$



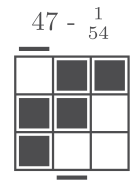
44 - $\frac{1}{54}$
 $R' F R U R' U' F'$
 $U R$



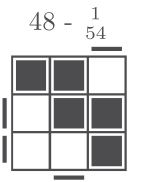
45 - $\frac{1}{54}$
 $F U F' U' R' F' L$
 $F r' R$



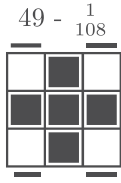
46 - $\frac{1}{54}$
 $R' U' R' F R F' U$
 R



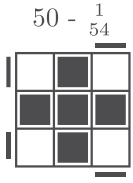
47 - $\frac{1}{54}$
 $R U R' U R U' R'$
 $U' R' F R F'$



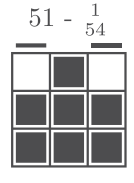
48 - $\frac{1}{54}$
 $L' U' L U' L' U L$
 $U L F' L' F$



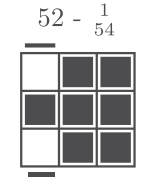
49 - $\frac{1}{108}$
 $R U 2 R' U' R U R'$
 $U' R U' R'$



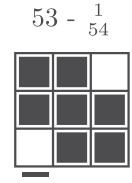
50 - $\frac{1}{54}$
 $R U 2 R 2 U' R 2 U'$
 $R 2 U 2 R$



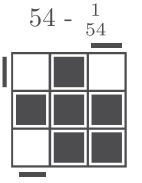
51 - $\frac{1}{54}$
 $R' U 2 R F U' R'$
 $U' R U F'$



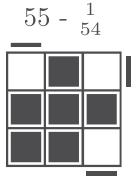
52 - $\frac{1}{54}$
 $r U R' U' r' F R F'$
 r



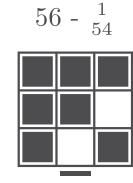
53 - $\frac{1}{54}$
 $F R' F' r U R U' r'$
 r



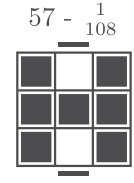
54 - $\frac{1}{54}$
 $L' U' L U' L' U 2 L$
 $U 2 L$



55 - $\frac{1}{54}$
 $R U R' U R U 2 R'$
 $R U 2 R'$

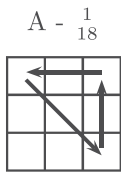


56 - $\frac{1}{54}$
 $r U R' U' r' R U R$
 $U' R'$

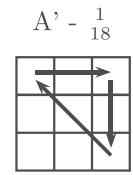


57 - $\frac{1}{108}$
 $R U R' U' R' r U$
 $R U' r'$

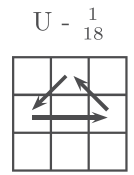
PLL : Permute Last Layer - Permutation de la dernière couronne



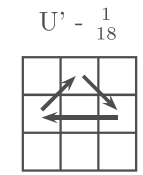
A - $\frac{1}{18}$
 $l' R' D 2 R U R' D 2$
 $R U' R$



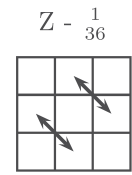
A' - $\frac{1}{18}$
 $l' U R' D 2 R U' R'$
 $D 2 R 2$



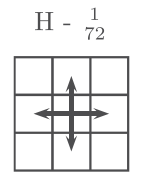
U - $\frac{1}{18}$
 $R 2 U' R' U' R U R$
 $U R U' R$



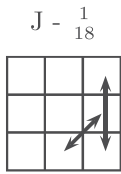
U' - $\frac{1}{18}$
 $R' U R' U' R' U'$
 $R' U R U R 2$



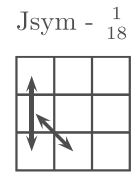
Z - $\frac{1}{36}$
 $U R' U' R U' R U$
 $R U' R' U R U R 2$
 $U' R' U$



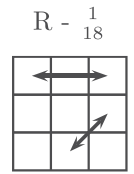
H - $\frac{1}{72}$
 $r 2 R 2 U r 2 R 2 U 2$
 $r 2 R 2 U R 2 r 2$



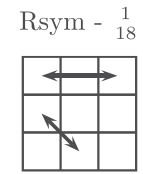
J - $\frac{1}{18}$
 $R U R' F' R U R'$
 $U' R' F R 2 U' R'$
 U'



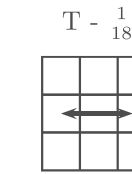
Jsym - $\frac{1}{18}$
 $L' U' L F L' U' L$
 $U L F' L 2 U L U$



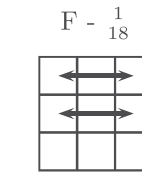
R - $\frac{1}{18}$
 $R' U 2 R U 2 R' F$
 $R U R' U' R' F'$
 $R 2 U'$



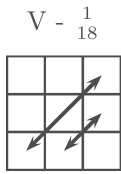
Rsym - $\frac{1}{18}$
 $L U 2 L' U 2 L F' L'$
 $U' L U L F L 2 U$



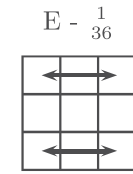
T - $\frac{1}{18}$
 $R U R' U' R' F R 2$
 $U' R' U' R U R' F'$



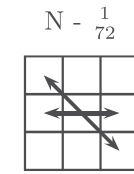
F - $\frac{1}{18}$
 $R' U R U' R 2 F'$
 $U' F U R F R' F'$
 $R 2 U'$



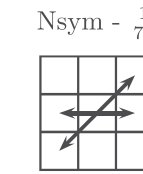
V - $\frac{1}{18}$
 $L' U R U' L U L'$
 $U R' U' L U 2 R$
 $U 2 R'$



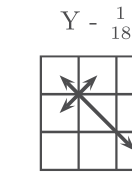
E - $\frac{1}{36}$
 $x U R' U' L U R$
 $U' r 2 U' R U L U'$
 $R' U$



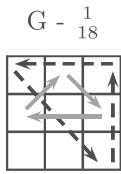
N - $\frac{1}{72}$
 $R' U R' F R F' R$
 $U' R' F' U F R U$
 $R' U' R$



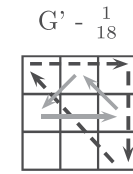
Nsym - $\frac{1}{72}$
 $L U' L F' L' F L'$
 $U L F U' F' L' U'$
 $L U L'$



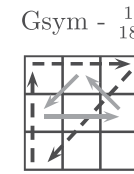
Y - $\frac{1}{18}$
 $F R U' R' U' R U$
 $R' F' R U R' U' R'$
 $F R F'$



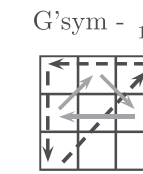
G - $\frac{1}{18}$
 $L 2 u' L U' L U L'$
 $u L 2 F U' F'$



G' - $\frac{1}{18}$
 $y' R U R' y L 2 u'$
 $L U' L' U L' u L 2$



Gsym - $\frac{1}{18}$
 $R 2 u R' U R' U' R$
 $u' R 2 F' U F$



G'sym - $\frac{1}{18}$
 $y L' U' L y' R 2 u$
 $R' U R U' R u' R 2$