

J Perm's OLL

All Edges Oriented

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

22 R U2' (R2' U' R2 U' R2') U2' R

23 R2 D R' U2 R D' R' U2 R'

24 (r U R' U') (r' F R F')

25 (F R' F' r) (U R U' r')

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

27 R U R' U R U2' R'

All Corners Oriented

28 (r U R' U') r' R (U R U' R')

57 (R U R' U') M' (U R U' r')

T Shapes

33 (R U R' U') (R' F R F')

45 F (R U R' U') F'

W Shapes

36 L' U' L U' L' U L U (L F' L' F)

38 R U R' U R U' R' U' (R' F R F')

Square Shapes

5 l' U2 L U L' U l

6 r U2' R' U' R U' r'

P Shapes

31 R' U' F (U R U' R') F' R

32 L U F' (U' L' U L) F L'

43 R' U' F' U F R

44 F (U R U' R') F'

Fish Shapes

9 (R U R' U') R' F (R2 U R' U') F'

10 r R2' U2' R U R' U R U R r'

C Shapes

35 R U2' (R2' F R F') R U2' R'

37 (F R' F' R) (U R U' R')

Small Lightning Bolts

34 f R f' U' r' U' R U M'

46 R' U' (R' F R F') U R

Big Lightning Bolts

7 r U R' U R U2' r'

8 l' U' L U' L' U2 l


11 S' U2 R U R' U R U2' R' S


12 M' R' U' R U' R' U2 R U' R r'


39 (f' L F L') (U' L' U L) S


40 (f R' F' R) (U R U' R') S'

Small L Shapes

47  (FR'F'R)U2RU'R'URU2'R'

48  F(RUR'U')(RUR'U')F'


49  rU'r2'Ur2Ur2'U'r

50  l'U'l2U'l2'U'l2U'l'


53  l'U'lU'l'L'ULU'l'L'U2l


54  rUR'URU'R'URU2'r'

Knight Move Shapes

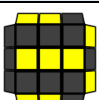
13  F(URU'R2')F'R(URU'R')

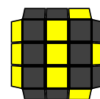
14  R'FRUR'F'RFU'F'

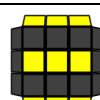
15  l'U'l(L'U'LU)l'U'l

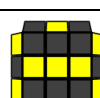
16  rU'r'(RUR'U')rU'r'

I Shapes


51  F(URU'R')(URU'R')F'

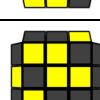
52  R'F'U'FU'RUR'UR

55  R'FURU'R2'F'R2UR'U'R

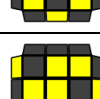
56  rU'r'(URU'R')URU'M'U'r'

Cactus Shapes


29  lD'lUlD'l2'UlU'l'U'l

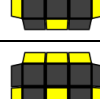
30  r'D'rU'r'Dr2U'r'UrUr'

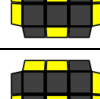
41  RUR'URU2'R'F(RUR'U')F'

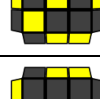
42  (R'FRF')(R'FRF')(RUR'U')
RUR'


No Edges Oriented

1  RU2'(R2'FRF')U2'(R'FRF')

2  LFL'(U2RU2'R'U2)LFL'


3  r'R2UR'UrU2'r'UM'

4  lL2'U'lU'l'U2lU'M'

17  FR'F'R2r'(URU'R')U'M'

18  rUR'URU2'r2'U'RUR'U2'r

19  r'RU(RUR'U')M'(R'FRF')

20  (rUR'U')M2'(URU'R')U'M'



J Perm's "[New] Rubik's Cube: All 57 OLL Algorithms & Finger Tricks" September 15, 2020 <https://youtu.be/vU6HsK3hvQs>

All images are from <https://jperm.net> but oriented correctly for each algorithm. Compiled by reddit user ArkhanLahyet.

J Perm's PLL



- $M2 U M U2 M' U M2$
- $R U' R U R U R U' R' U' R2$

Ua
(U)



- $M2 U M' U2 M U M2$
- $R U R' U R' U' R2 U' R' U R' U R$



- $R2 U' S' U2 S U' R2$



- $M2 U' M U2 M' U' M2$
- $R2 U R U R' U' R' U' R' U R'$

Ub
(U)



- $M2 U' M' U2 M U' M2$
- $R' U R' U' R3 U' R' U R U R2$



- $R2 U' S R2 S' R2 U R2$

H



- $M2 U M2 U2 M2 U M2$
- $M2 U2 M2 [U / U'] M2 U2 M2$
- $R2 S2 R2 [U / U'] R2 S2 R2$

Z



- $M U M2 U M2 U M U2 M2$
- $M' U M2 U M2 U M' U2 M2$
- $M2 U2 M U M2 U M2 U M$



- $x L2 D2 (L' U' L) D2 (L' U' L')$

Aa
(U)



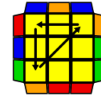
- $x' (L' U' L') D2 (L' U' L') D2 L2$



- $x (R' U' R') D2 (R' U' R') D2 R2$



- $x' R2 D2 (R' U' R) D2 (R' U' R')$

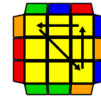


- $x (L' U' L) D2 (L' U' L) D2 L2$

Ab
(U)



- $x' L2 D2 (L' U' L') D2 (L' U' L')$



- $x R2 D2 (R' U' R') D2 (R' U' R)$



- $x' (R' U' R) D2 (R' U' R) D2 R2$

E



- $x' (L' U' L D') (L' U' L D) (L' U' L D') (L' U' L D)$
- $x' (R' U' R' D) (R' U' R' D') (R' U' R' D) (R' U' R' D')$
- $R2 D R' U R D' R' U R D R' U' R D' R' U' R'$
- $R U R D R' U R D' R' U' R D R' U' R D' R2$
- $R' U' R' D' R U' R' D R U R' D' R U R' D R2$
- $R2 D' R U' R' D R U' R' D' R U R' D R U R$

T



- $(R U R' U') R' F R2 U' R' U' (R U R') F'$
- $R U R' U' R' F R2 U' R' U' F' L' U L$

F



- $R' U' F' (R U R' U') R' F R2 U' R' U' (R U R') U R$
- $R2 F R F' R' U' F' U' F R2 U R' U' R$



- $R' U R U' R2 F' U' F U R F R' F' R2$

Jb



- $(R U R' F') (R U R' U') R' F R2 U' R'$



- $R U R2' F' R U R U' R' F R U' R'$

Ja		<ul style="list-style-type: none"> • $x (R2 F R F') R U2 (r' U r) U2$
		<ul style="list-style-type: none"> • $R' U L' U2 R U' R' U2 R L$
Ra		<ul style="list-style-type: none"> • $(R U' R' U') (R U R D) (R' U' R D') (R' U2 R')$ • $R U R' F' R U2 R' U2 R' F R U R U2 R'$
Rb		<ul style="list-style-type: none"> • $R2 F R (U R U' R') F' R U2 R' U2 R$
		<ul style="list-style-type: none"> • $R' U2 R U2 R' F R U R' U' R' F' R2$ • $R' U2 R' D' R U' R' D R U R U' R' U' R$
Y		<ul style="list-style-type: none"> • $F (R U' R' U') (R U R') F' (R U R' U') (R' F R F')$ • $F R' F R2 U' R' U' R U R' F' R U R' U' F'$
		<ul style="list-style-type: none"> • $R U' (R U R') D R D' R (U' D) R2 U R2 D' R2$ • $F' U F' U' R' F' R2 U' R' U R' F R F$ • $R2 D R2' U' R2 U D' R' D R' D' R U' R' U R'$
V		<ul style="list-style-type: none"> • $R' U R U' R' f' U' R U2 R' U' R U' R' f R$ • $R' U R' U' y R' F' R2 U' R' U R' F R F$ • $R' U R' U' R D' R' D R' U D' R2 U' R2' D R2$ • $R2' D' R2 U R2' U' D R D' R D R' U R U' R$ • $R' U R U' x' U R U2' R' U' R U' R' U2 R U R' U'$ • $z D' R2 D R2 U R' D' R U' R U R' D R U'$
Na		<ul style="list-style-type: none"> • $(R U R' U) (R U R' F' R U R' U' R' F R2 U' R') (U2 R U' R')$ • $R F U' R' U R U F' R2' F' R U R U' R' F$
Nb		<ul style="list-style-type: none"> • $r' D' F (r U' r') F' D (r2 U' r' U') (r' F r F')$ • $R' U R U' R' F' U' F R U R' F R' F' R U' R$ • $R' U R U' R' F' U' F R U R' U' R U' f R f'$ • $D' R2 D R D' R2 U R' D U2 R' U2 R U2 R$

Ga		<ul style="list-style-type: none"> • $R2 U R' U R' U' R U' R2 (U' D) (R' U R) D'$ • $R2 u R' U R' U' R u' R2 F' U F$
Gb		<ul style="list-style-type: none"> • $(R' U' R) (U D') R2 U R' U R U' R U' R2 D$ • $R' d' F R2 u R' U R U' R u' R2$
		<ul style="list-style-type: none"> • $F' U' F R2 u R' U R U' R u' R2$
Gc		<ul style="list-style-type: none"> • $R2 U' R U' R U R' U R2 (U D') (R U' R') D$ • $R2' u' R U' R U R' u R2 f R' f'$
		<ul style="list-style-type: none"> • $R2 F2 R U2 R U2 R' F (R U R' U') R' F R2$ • $L2' U' L U' L U L' U L2' D' U L U' L' D$
Gd		<ul style="list-style-type: none"> • $(R U R') (U' D) R2 U' R U' R' U R' U R2 D'$
		<ul style="list-style-type: none"> • $L U L' B2 D' R U' R' U R' u R2$



JPerm's "[New] Rubik's Cube: All 21 PLL Algorithms & Finger Tricks"
 May 31, 2021
https://youtu.be/9r_HqG4zSbk



JPerm's "Fast PLL Algorithms You Should Try!"
 June 6, 2021
<https://youtu.be/kSYP033e12Q>



JPerm's "The Best V Perm Algorithms"
 January 23, 2021
<https://youtu.be/1wUgCM94UIA>

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