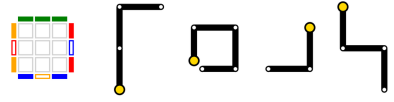


PLL Algorithms in Metro Notation

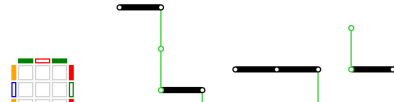
[Ua Perm] R'URU RU RU'R'U' R2



[Ub Perm] R2U RUR'U' R'U' R'UR'



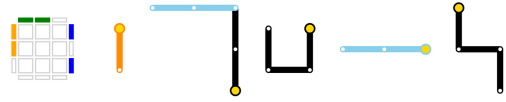
[Z Perm] M2'U'M2'U' M'U2' M2'U2'M'



[H Perm] M2'U'M2' U2' M2'U'M2'



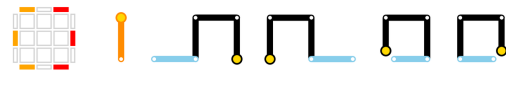
[Aa Perm] x' R2D2 R'UR' D2 R'UR'



[Ab Perm] x' R'UR' D2 R'UR' D2R2'



[E Perm] x' RU'R'D' RUR'D' R'UR'D' RU'R'D'



[Ra Perm] R'UR'U' RURD R'U'RD' R'U2R'



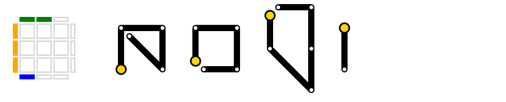
[Rb Perm] R'U2RU2' R'F RUR'U' R'FR2



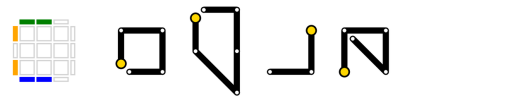
[Ja Perm] R'UL'U2 R'UR'U2R L



[Jb Perm] RURF' RUR'U' R'FR2U' R'



[T Perm] RUR'U' R'FR2U' R'U' RURF'



[F Perm] R'UF' RUR'U' R'FR2U' R'URU R'UR



[V Perm] R'UR'U' y R'FR2U' R'URF RF



[Y Perm] F RU'R'U' RURF' R'UR'U' R'FRF'



[Na Perm] R'UR'U' R'URF' R'UR'U' R'FR2U' R'U2RU'R'



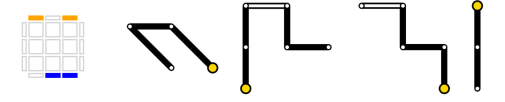
[Nb Perm] R'UR'U' R'F'U'F R'URF' R'F' R'UR



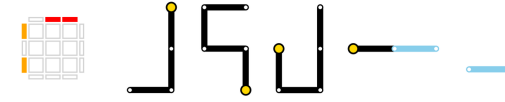
[Ga Perm] R2U R'UR'U' R'UR2 U'D R'URD'



[Gb Perm] F'UF' R2UwRU R'URUw' R2'



[Gc Perm] R2'U' R'URU R'UR2 UD' R'UR'D'



[Gd Perm] D' R'UR'U' D R2URU' R'UR'U' R2

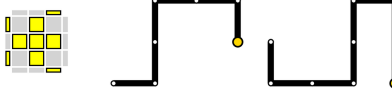


OLL Algorithms in Metro Notation (1/2)

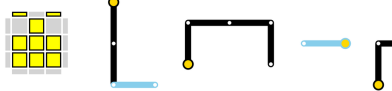
[OCLL1 - 21] RU2R' U'RUR' U'RU'R'



[OCLL2 - 22] RU2R2'U' R2U'R2'U2'R



[OCLL3 - 23] R2'D' RU2R' D RU2R



[OCLL4 - 24] x' RUR'D RUR'D'



[OCLL5 - 25] x' RU'R'D RUR'D'



[OCLL6 - 26] RU2' R'U'RU'R'



[OCLL7 - 27] RUR'U RU2'R'



[T1 - 33] RUR'U' R'FRF'



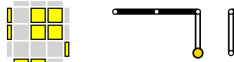
[T2 - 45] F RUR'U' F'



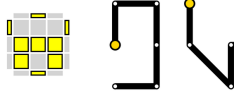
[S1 - 5] RwU2' RUR'URw



[S2 - 6] RwU2' R'U'RU'Rw'



[C1 - 34] RUR2'U' R'FRU RU'F'



[C2 - 46] R'U' R'FRF' UR



[W1 - 36] RUR'F' RUR'U' R'FRU' R'FRF'



[W2 - 38] RUR'U RU'R'U' R'FRF'



[E1 - 28] RwUR'U' M URUR'R'



[E2 - 57] RUR'U' M' URUR'w'



[P1 - 31] R'U'F URUR'R' FR



[P2 - 32] RUB' U'R'U LwULw'



[P3 - 43] R'U'FU FR



[P4 - 44] Fw RUR'U' Fw'



[I1 - 51] F URUR'R' URUR'R' F'



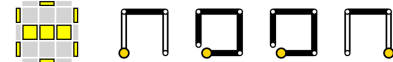
[I2 - 52] R'FU'FU' RUR'UR



[I3 - 55] R'FRU RU'R2'F' R2U'R' URUR'



[I4 - 56] RwURw' URUR'R' URUR'R' RwURw'



[F1 - 9] RUR'U' RF R2UR'U' F'



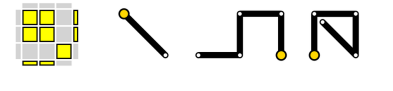
[F2 - 10] RUR'U R'FRF' RU2R'



[F3 - 35] RU2' R2'FRF' RU2R'



[F4 - 37] F URUR'U' URUR'F'



OLL Algorithms in Metro Notation (2/2)

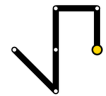
[K1 - 13]



FU



RUR2F'



RU



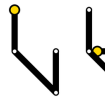
RUR'



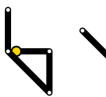
[K2 - 14]



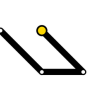
R'FR



UR'FR



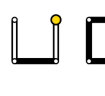
FU'F'



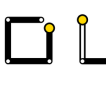
[K3 - 15]



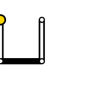
RwU'Rw



R'URU



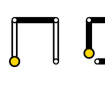
RwURw



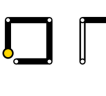
[K4 - 16]



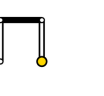
RwURw'



RURU'



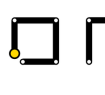
RwU'Rw'



[A1 - 29]



RURU'



RUR'



F'UF



RUR'



[A2 - 30]



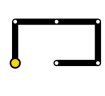
FU



RU2RU'



RU2RU'



F'



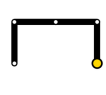
[A3 - 41]



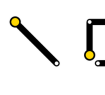
RURU'



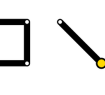
RU2R'



F



RURU'



F'



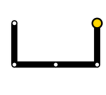
[A4 - 42]



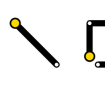
R'URU'



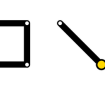
R'U2R



F



RURU'



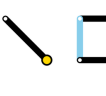
F'



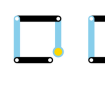
[L1 - 47]



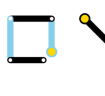
F'



L'U'LU



L'U'LU



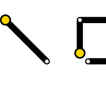
F



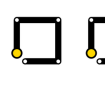
[L2 - 48]



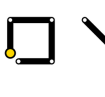
F



RURU'



RURU'



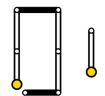
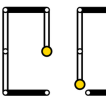
F'



[L3 - 49]



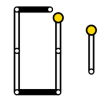
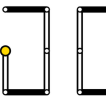
RwU'Rw2'URw2URw2U' Rw



[L4 - 50]



RwURw2U'Rw2U'Rw2U Rw'



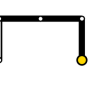
[B1 - 7]



RwURU



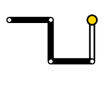
RU2'Rw'



[B2 - 8]



RwU'RU'



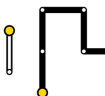
RU2'Rw



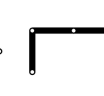
[B3 - 11]



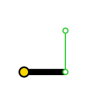
Rw'



R2URU



RU2'R'



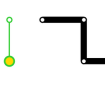
UM'



[B4 - 12]



M'



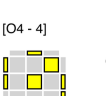
R'URU'



R'U2'R



UM



[B5 - 39]



LF'



L'U'LU



FUL'



[B6 - 40]



R'F



RURU'



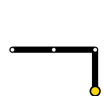
F'UR



[O1 - 1]



RU2'



R2'FRF'



U2'



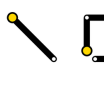
R'FRF'



[O2 - 2]



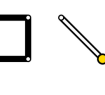
F



RURU'



S



RURU'



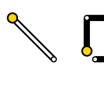
Fw'



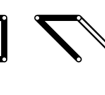
[O3 - 3]



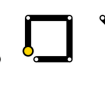
Fw



RURU'



FwU'F'



RURU'



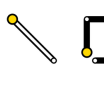
F'



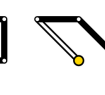
[O4 - 4]



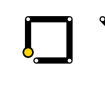
Fw



RURU'



FwUF



RURU'



F'



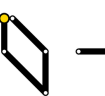
[O5 - 17]



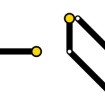
RURU



R'FRF'



U2'



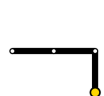
R'FRF'



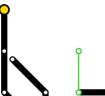
[O6 - 18]



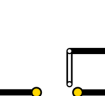
RU2'



R2'FRF'



U2'M'



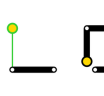
URU'Rw'



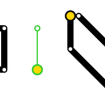
[O7 - 19]



MU



RURU'



M'



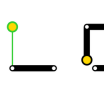
R'FRF'



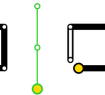
[O8 - 20]



MU



RURU'



M2'



URU'Rw'

