

X-Cross

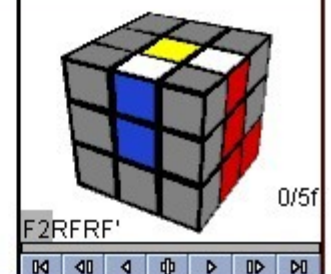
Cross
Cross簡單型
Cross複雜型
X-Cross

X-Cross，全名為「Extended Cross」，意思是「延伸的十字」。用途：不只是完成Cross，還湊出一對F2L，所以F2L只剩下三對，勢必快上不少。

然而，X-Cross與Cross一樣，千變萬化，毫無公式，可以說：「師父點進門，修練靠自己。」X-Cross所花費的步數，今古庸龍建議在10步以內。你必須經過長期的經驗累積，才有辦法練成X-Cross。

初學X-Cross，需從簡單情況開始練起。先設計出一個簡單的情況，然後想辦法用X-Cross。

右方動畫就是一個簡單的情況，各位可以試試看。



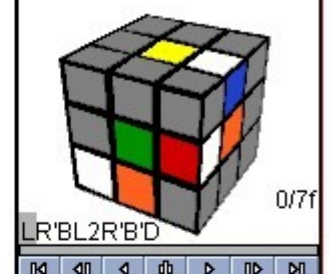
1.

Scramble:

B L2 F U2 R D2 U2 B2 F D2 U L D U R' B' F' R2 B F L B' F2 R2 U2 F L D' U2 F

Solution:

L R' B L2 R' B' D



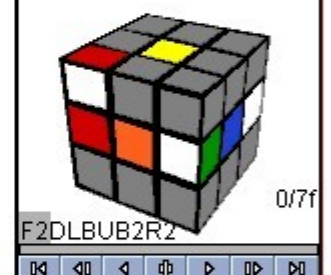
2.

Scramble:

F U' B L R B2 D' U B' F2 L2 B' L' R2 D' L D U2 R' B U B F2 L2 B F2 L B2 F2 U'

Solution:

F2 D L B U B2 R2



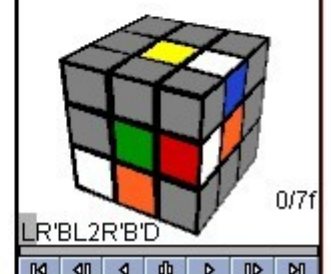
3.

Scramble:

B L2 F U2 R D2 U2 B2 F D2 U L D U R' B' F' R2 B F L B' F2 R2 U2 F L D' U2 F

Solution:

L R' B L2 R' B' D



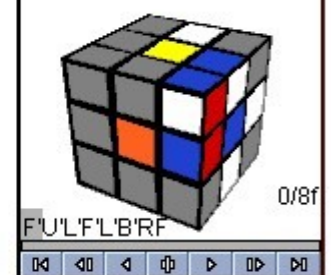
4.

Scramble:

D2 U B' F' U2 B L' B2 L' F' R' B F U' R D B2 F2 U' L D2 U L F2 R F' L R B R'

Solution:

F' U' L' F' L' B' R F



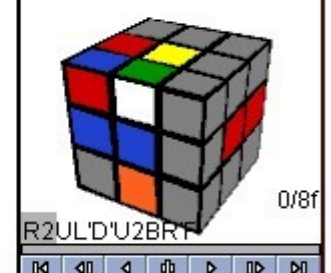
5.

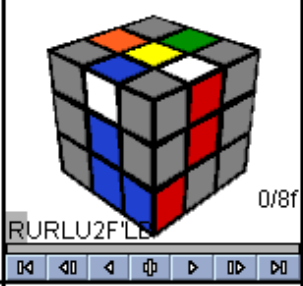
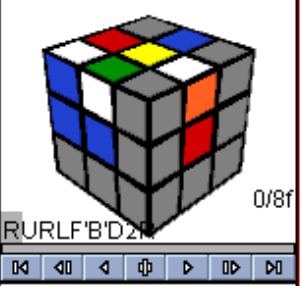
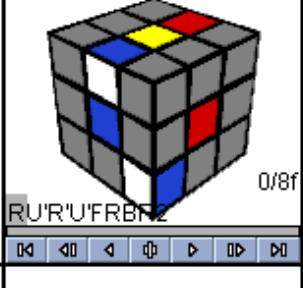
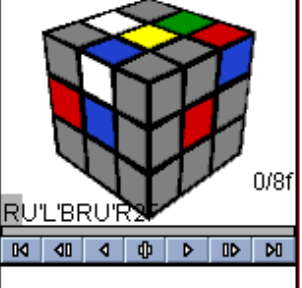
Scramble:

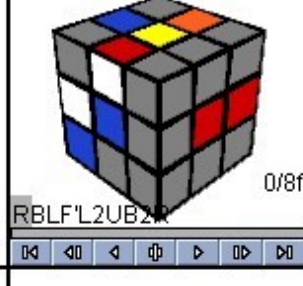
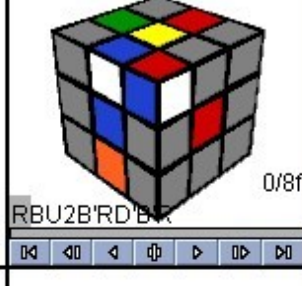
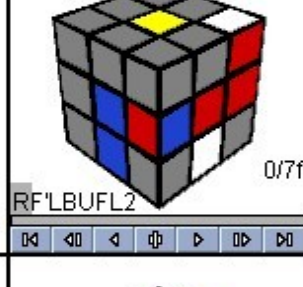
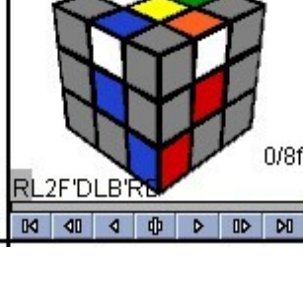
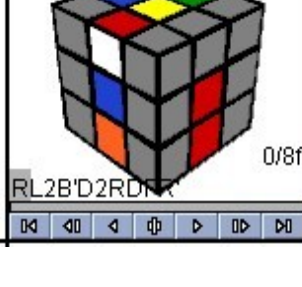
R' B D L R U B R2 D U' R2 B F D2 B2 D' U2 B2 F' L2 R B D U R' D' R' F D L'

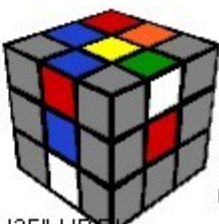
Solution:

R2 U L' D' U2 B R' F



Algorithm	Animation	Algorithm	Animation
R U R L U ² F' L B'	 0/8f R U R L U ² F' L B'	R U R L F' B' D ² R	 0/8f R U R L F' B' D ² R
R U' R' U' F R B R ²	 0/8f R U' R' U' F R B R ²	R U' L' B R U' R ² F	 0/8f R U' L' B R U' R ² F
R U ² R B' U' D ² R B'	 0/8f R U ² R B' U' D ² R B'	R U ² R ² F R' D' B' R	 0/8f R U ² R ² F R' D' B' R

R B L F' L ² U B ² R	 0/8f R B L F' L ² U B ² R	R B U ² B' R D' B' R	 0/8f R B U ² B' R D' B' R
R F' L B U F L ²	 0/7f R F' L B U F L ²	R F' U R ² D ² L F B	 0/8f R F' U R ² D ² L F B
R L ² F' D L B' R D	 0/8f R L ² F' D L B' R D	R L ² B' D ² R D F R'	 0/8f R L ² B' D ² R D F R'

RL'UBR'LU2F'	 RL'UBR'LU2F' 0/8f	RL'U2F'B'RU'L	 RL'U2F'B'RU'L 0/8f
RLURLD2F'B'	 RLURLD2F'B' 0/8f	RLUFLBU'F	 RLUFLBU'F 0/8f
RLU2FBRL	 RLU2FBRL 0/8f	RLU2F'LUB'R'	 RLU2F'LUB'R' 0/8f
RL'B'U'R'F'B2	 RL'B'U'R'F'B2 0/7f	RLFBR'UL2U2	 RLFBR'UL2U2 0/7f