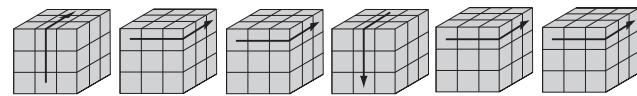
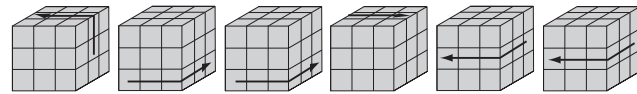


Move the cube in such a way that at the same time you face the twisted pieces from the front and from above.
Repeat these steps 2times



Correction of left and right hand side

Move the cube in such a way that at the same time you face the twisted pieces from the front and from above.
Repeat these steps 2times



In order to have a good starting position sometimes the correct centre piece has to be twisted once more. Perhaps this step has to be carried out several times. Mistakes are possible and we are looking forward to your feed-back. More help for solutions is found under www.mjasmund.de and various other websites.

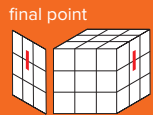
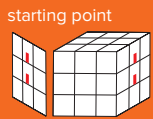
Have a lot of fun and success - The team of Chemstations Deutschland GmbH

"Millions" of possible moves – "One" solution: CHEMCAD Suite
 Twist and turn the cube using various combinations to return to its initial position – the CHEMCAD Suite

info@chemstations.de
www.Chemstations.de

On our website we present a virtual cube which is solved according to the above rules.

* solutions from © Karl Schlegel 2009, www.mjasmund.de



"Millions" of possible moves – "One" solution: CHEMCAD Suite



We have designed a CHEMSTATIONS Cube which corresponds to the original Rubiks Cube (magic cube). The cube consists of 27 single pieces which in total result in a 3x3x3 cube. The arrangement of the sides is depending on the centre piece which is fixed on a coordinate system.

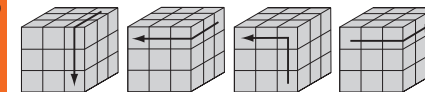


Here you see the picture. It may be that moving direction of the centre part will be the other way round when mixing the cube

After a few turnings a colored picture puzzle can be seen which has to be reset again into the original look. There exist several solutions. The following solution is based on an article launched in the magazine SPIEGEL; we modified it slightly. More solutions can be found in the internet. It may be that centre parts are twisted. At first the picture sides have to be set and finally the centre pieces have to be twisted.

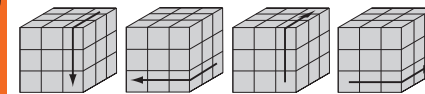
1st Layer

Here at first a cross has to be formed. The tilted edge piece has to be moved to the right side and then twisted according to the draft.



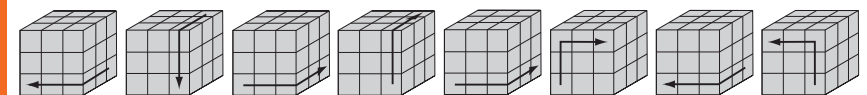
Position of the corner pieces

The correct corner piece has always to be placed at the lower right side, and then moved to its right position with the following steps. In some cases this sequence has to be repeated several times in order to twist the corner piece correctly to the right side face.

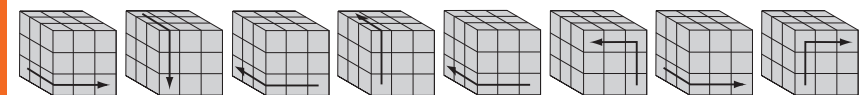


2nd Layer

First move the missing piece into the centre of the 3rd layer. Move it according to the final position of the piece right or left. When the piece is moved to the correct corner but the wrong way round then replace it by a wrong piece and repeat these steps.

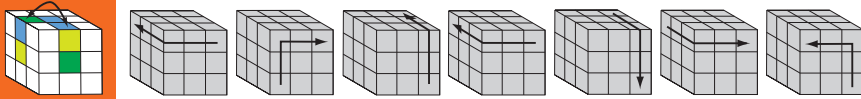


or

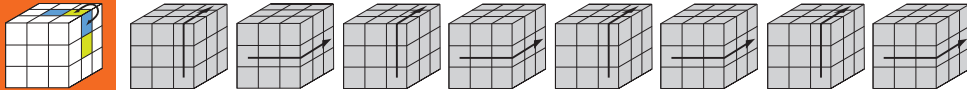


3rd Layer - How to place the edge pieces

Turn the cube by 180° in order that the third layer is on top. Always 2 edge pieces are swapped, i.e. swapped as a pair.

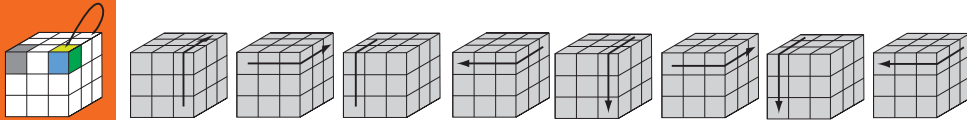


Flip the edge pieces



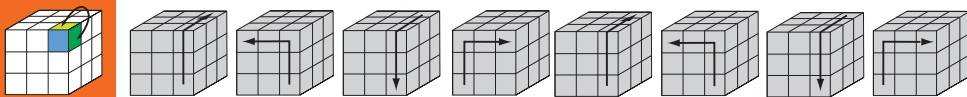
Now the cube may look very chaotic, but this is o.k. The next edge piece in question only can be placed to the right side by flipping the upper side. Now repeat the steps etc. As soon as all edge pieces are twisted correctly then layers 1 and 3 again are correct too.

Corner piece in the right position



If one corner is correct, move it to the front, left hand side. The right front corner has to be moved to the back, right hand side. If none of the corners is correct than one has to move like this and then at least one corner will be correct.

Flip the corner pieces



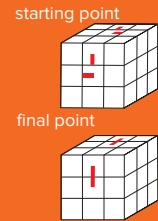
If one corner is correct than move it to the front, left hand side. The piece which has to be flipped is always in the front, right hand side. Also here it may be that the cube will look very chaotic. In any case please **move only the upper side by placing the piece which has to be flipped to the front, right hand side**. Repeat these steps until the last corner piece is flipped correctly. If all the steps have been done correctly then the cube is ready.

Sometimes it is possible that in the end the picture of the fixed centre piece is twisted. Then additional steps have to be done. The next pages provide further possible solutions.

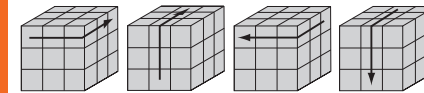


Correction of the twisted centre pieces*

Move the cube in such a way that you face the twisted pieces at the same time from the front as well as from above.

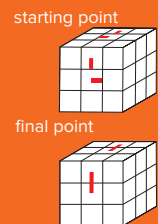


Repeat these steps 4times

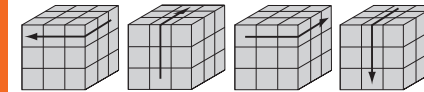


Variation

Move the cube in such a way that you face at the same time the twisted pieces from the front as well as from above.

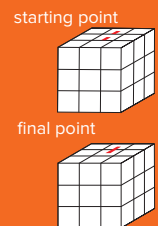


Repeat these steps 4times

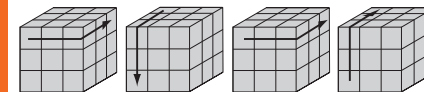


Correct a single centre piece

Turn the cube in such a way that you face the twisted pieces from above.



Repeat these steps 4times



Correction of left and right hand side

Move the cube that you face the twisted centre pieces from the left and right hand side.

Repeat these steps 2times

