

The Compass Theme.

1- Are you from the North, from the East, from the South or from the West? Tell me what you compose and I will tell you where you come from!

Let's consider the following idea: the black King and two black pieces alternatively occupy two squares X and Y in a 4-solution helpmate in two. The distribution of the occupation of the two squares X and Y may take several possible cardinal directions and it is helpful to use a compass to identify in which geographic zone the occupations are made by the black King and the black pieces.

At first examination, there are four possible directions.

Direction table

North	East	South	West
1. ♔ d5..... 1. ♔ e5..... 1.....2. ♙ d5 1.....2. ♖ e5	1.....2. ♔ d5 1.....2. ♔ e5 1.....2. ♙ d5 1.....2. ♖ e5	1. ♙ d5..... 1. ♖ e5..... 1.....2. ♔ d5 1.....2. ♔ e5	1. ♔ d5..... 1. ♔ e5..... 1. ♙ d5..... 1. ♖ e5.....

► 1st Form - North

The bK occupies the squares at B1 and the black pieces occupy them at B2. This is the North direction. (Notation: The solutions with bK are on top).

► 2nd Form - East

The bK and the black pieces occupy the squares at B2. Black pieces and King are united on the same column on the right. This is the East direction. (Notation: The solutions with bK are on top).

► 3rd Form - South

The bK occupies the squares on B2 and the black pieces occupy them on B1. This is the South direction. (Notation: The solutions with R are on bottom).

► 4th Form - West

The bK and the black pieces occupy the squares at B1. Black pieces and King are united on the same column on the left. This is the West direction. (Notation: The solutions with bK are on top).

2- As we are in an open world, relations between the 4 directions are possible. Are you in favor of North-East, North-South, North-West, East-South, East-West, or South-West relations? Tell me what you compose, I will tell you which relations you favor!

▶ **5th Form - North-East**

For the North-East system 6 solutions are needed. It consists in two moves by the bK on B1 and two moves by the bK on B2. The 4 corresponding moves are made on B2. But it is possible to achieve this in 4 solutions with reversed black King moves on the two thematic squares.

▶ **6th Form - North-South**

In the North-South system, there are two moves of bK on B1 and the corresponding moves on B2, plus two other bK moves on B2, with the corresponding moves on B1.

▶ **7th Form - North-West**

In the North-West system, there are two moves by bK on B1 and the corresponding moves by the other black pieces are made once on B1 and once on B2.

● **8th Form - East-South**

In the East-South system, there are two moves by the bK on B2 and the corresponding moves by the other two black pieces are made once on B1 and once on B2.

▶ **9th Form - East-West**

In the East-West system, there are two moves by the bK on B1. Their corresponding moves are on B1. There are two other bK moves on B2 and their corresponding moves on B2.

▶ **10th Form - South-West**

In the South-West system there are two moves by bK on B1 and two moves by bK on B2. The four corresponding moves by the two black pieces are made on B1.

3- Are you in favor of 3-direction relations? North-South-East, North-East-West, North-South-West or South-East-West. Or for all-direction relations – North-South-East-West? Tell me what you compose and I will tell you if you are a great power!

The next 4 forms require 4 bK moves, two bK moves on B1 and two bK moves on B2. The bK moves are made on 4 different squares.

▶ **11th Form - North-East-South**

Two bK moves on B1 and two bK moves on B2. The black moves corresponding with directions North-East require that the 4 corresponding moves are made on B2. The other two corresponding moves are made on B1 in favor of the South direction.

▶ **12th Form - North-East-West**

Two bK moves on B1 and two bK moves on B2. The black moves corresponding with directions North-East require that the 4 corresponding moves are made on B2. The other two corresponding moves are made on B1 in favor of the West direction.

▶ **13th Form - North-South-West**

Two bK moves on B1 and two bK moves on B2. The black moves corresponding with directions South-West require that the 4 corresponding moves are made on B1. The other two corresponding moves are made on B2 in favor of the North direction.

► **14th Form - East-South-West**

Two bK moves on B1 and two bK moves on B2. The black moves corresponding with directions South-West require that the 4 corresponding moves are made on B1. The other two corresponding moves are made on B2 in favor of the East direction.

► **15th Form - North-East-South-West**

Two bK moves on B1 and two bK moves on B2. The black moves corresponding with directions North-East require that the 4 corresponding moves are made on B2. The black moves corresponding with directions South-West require that the 4 corresponding black moves are made on B1.