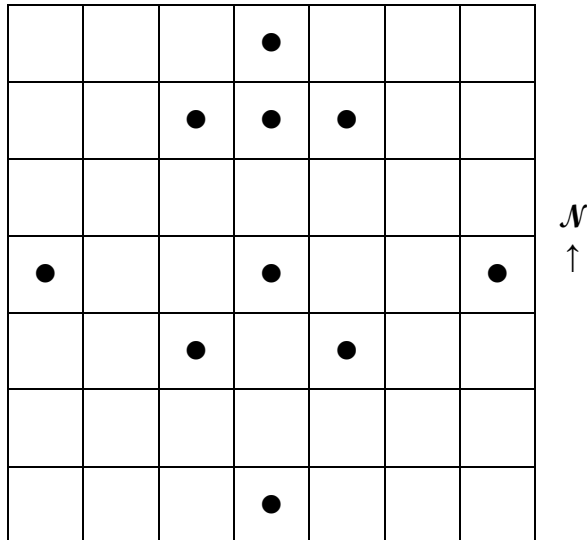


Q28. Hungarian Rocks

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The picture below represents a field divided into 49 squares (7 x 7), aligned north-south and east-west as shown. In some of the squares there are rocks, indicated by a black circle ●.



There are four Hungarians – Eszter, Gábor, László and Réka – standing in the field, each in a different square not containing a rock, and each facing in one of the four cardinal directions (north, south, east west). Each person makes some statements describing the positions of the rocks. For instance, Eszter’s first statement means “To the east (behind me) there is one stone.”

Find each person’s place in the field and the direction they are facing. References to directions are to be understood as describing a single line in the field: “due east”, “directly behind me”, and so on.

- Eszter says: Keletere (mögöttem) egy kő van.
 Délre két kő van.
 Jobbra nincs kő.
- Gábor says: Délre (balra) nincs kő.
 Északra egy kő van.
 Mögöttem két kő van.
- László says: Északra (előttem) nincs kő.
 Nyugatra egy kő van.
 Jobbra két kő van.
- Réka says: Nyugatra (jobbra) két kő van.
 Északra egy kő van.
 Balra nincs kő.

Write your solution as instructed in the answer book, which also asks you to “show your working” so that you can pick up some points even if you don’t get the correct solution.