

YOUR NAME:

REGISTRATION #

# (N) Hungarian Rocks (I/I) [5 points]

The grid below represents a field divided into a 7 x 7 grid, aligned north-south and east-west. In some of the squares of the grid are rocks represented by X.

There are four Hungarians – Dorottya, László, Erika, and Balázs – 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) - not necessarily different from each other. Each person makes some statements describing the positions of the rocks. For instance, Dorottya’s first statement means “(Due) 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.

	Position	Direction
Dorottya says:	Keletre (mögöttem) egy kő van. Délre két kő van. Jobbra nincs kő.	
László says:	Délre (balra) nincs kő. Északra egy kő van. Mögöttem két kő van.	
Erika says:	Északra (előttem) nincs kő. Nyugatra egy kő van. Jobbra két kő van.	
Balázs says:	Nyugatra (jobbra) két kő van. Északra egy kő van. Balra nincs kő.	

	A	B	C	D	E	F	G
1				X			
2			X	X	X		
3							
4	X			X			X
5			X		X		
6							
7				X			

