PROBLEM 1

Mr. Jones was recently in car accident and needs a lawyer. He knows one of his four neighbors is a lawyer but he can not remember which one. John is either an architect, a teacher, a lawyer, or a doctor. Ben and Kerry are not teachers. Sue loves building things and Kerry faints when he sees blood. Help Mr. Jones figure out each person's profession.

	architect	lawyer	doctor	teacher
John	Ν	Ν	Ν	Y
Sue	Y	Ν	Ν	Ν
Ben	Ν	Ν	Y	Ν
Kerry	Ν	Y	Ν	Ν

PROBLEM 2

Coach Spazling is looking for some new athletes to join various teams at the local sports club. Their is only one open spot on each team and the seasons overlap so each person can only play one sport. Victor can not swim and does not like skiing. Joe only likes baseball and football. Rex does not like cold weather sports, especially ice hockey. Sam's favorite sport is football and Betty loves being outdoors. Which team should each person join?

	swimming	baseball	football	ice hockey	skiing
Victor	N	Ν	Ν	Y	Ν
Joe	N	Y	Ν	N	N
Rex	Y	Ν	Ν	N	N
Sam	N	Ν	Y	N	N
Betty	N	Ν	Ν	N	Y