Example 1.2. A person wants to go to a swimming pool once a week, and play tennis once a week, but not both on the same day. How many different schedules are there?

schedules are there? Choose a swimming day. There are 7 possibilities for this. When the choice is made, there remain 6 possible tennis days. So, there are $7 \cdot 6 = 42$ different

schedules.