

If you want to express $\forall x \in C P(x)$ (for all x in C property P holds; i.e. it holds for the whole set C), use article **the**. Now you refer to the whole class of x s in C , which is definite. "The computer can solve only mechanical problems." (all computers can do this)

Notice that this technique suits only for countable concepts!

6.3.5 Articles before variable names?

In cs, we often use the names of variables, data sets, models, etc.

- When you use the name without any modifying word \rightarrow no article
"X is independent from Y", "S contains no outliers"
- When you use a modifying word like "set", "vector", "model" etc. before the name \rightarrow
by default, no article
- Problem: in literature, article "the" is sometimes used in such cases??