If you want to express $\forall x \in CP(x)$ (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??