Knowledge: minimal(ish) example

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1 Introduction

This document is an example of LaTeX document written using `knowledge`, a package written by Thomas Colcombet, which allows you to *easily* add internal (and external) hyperlinks in your documents.

Say that at some point of your document, you want to define foo. For instance, say that the *foo* of an integer x is defined as the smallest integer y such that $y \geq x$, and is denoted by $f(x)$.

In this paragraph, you want to talk about kittens. Unfortunately, part of your audience might not know what kittens are, so you need to define the notion. A *kitten* is some kind of cat, but slightly smaller and cuter. Note that "kittens" and "kitten" refer to the same notion (this is declared in the file `notions.tex`).

2 My theorem

In this section, you are finaly ready to prove your incredible theorem: for every integer, the foo of x is x itself. If you wish, you can remind your reader where foo was defined: it was in Section 1, Page 1.

3 A note on anchor points

On the left-hand side on the document, you can notice small red corners, called *anchor points*. Without them, the default behaviour of `knowledge` (inherited from `hyperref`) would be to send you, for example when clicking on "foo" or "kitten", at the beginning of the section in which "foo" and "kitten" were defined. This is not precise enough, so you can add anchor points using the command `\AP`: thanks to those, "foo" and "kitten" are references to two different paragraphs of the document

It is usefull to see your anchor points when writting a document, but you don't want to display them when compiling the final version of your document. To desactivate anchor points (and hide warning), you can add the option `electronic` when loading `knowledge`.

4 Math commands

You can define a "partial link" in some math command. For example, say that you want a command \foobar that takes an argument and displays this argument between brackets: $[\phi]$. You might want the argument ϕ not to link to the definition of \foobar: you can easily to that, by defining \foobar (producing $[x]$) as

```
\knowledgenewrobustcmd{\foobar}[1]{
    \cmdkl{[} #1 \cmdkl{]}
}
```

Only what is written inside \cmdkl will be linked to the definition of the notion.