

`\newif \if<test name>`

This command names a trio of control sequences with names `\alphatrue`, `\alphafalse`, and `\ifalpha`, where `alpha` is *<test name>*. You can use them to define your own tests by creating a logical variable that records true/false information:

- `\alphatrue` sets the logical variable `alpha` true.
- `\alphafalse` sets the logical variable `alpha` false
- `\ifalpha` is a conditional test that is true if the logical variable `alpha` is true and false otherwise.

The logical variable `alpha` doesn't really exist, but T_EX behaves as though it did. After `\newif\ifalpha`, the logical variable is initially false.

`\newif` is an outer command, so you can't use it inside a macro definition.

Example:

```
\newif\iflong \longtrue
\iflong Rabbits have long ears.
\else Rabbits don't have long ears.\fi
```

produces:

Rabbits have long ears.