Another simple Fitch example

The code

```
\begin{fitch}
  \fh \forall y\lnot Py          &                          \\
  \fa\fh \exists xPx                                        \\
  \fa\fa\fitchmodalh{e}  Pe                                 \\
  \fa\fa\fa \forall y\lnot Py    & R, 1                     \\
  \fa\fa\fa \lnot Pe             & $\forall$E, 4            \\
  \fa\fa\fa \bot                 & $\lnot$E, 3,5            \\
  \fa\fa \bot                    & $\exists$E, 2, 3--6      \\
  \fa \lnot\exists xPx           & $\lnot$I, 2--7
\end{fitch}
```

will produce (in line)

1	$\forall y \neg Py$	
2	$\exists x Px$	
3	e $\quad Pe$	
4	$\forall y \neg Py$	R, 1
5	$\neg Pe$	$\forall$E, 4
6	$\bot$	$\neg$E, 3,5
7	$\bot$	$\exists$E, 2, 3–6
8	$\neg \exists x Px$	$\neg$I, 2–7

Enclosing the fitch proof inside

```
\begin{equation*}
  ...
\end{equation*}
```

will centre the display, as you will probably normally want.