2-Aminofluorene

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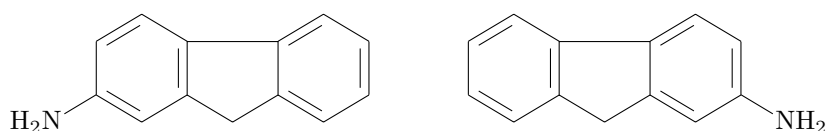
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Question:

How can I draw 2-aminofluorene by using XꞮMTEX?

Answer:

The following code adopts the fusion of a [6–5] ring (\nonaheterov) with a [6] ring (\sixfusev). The mode of fusion can be represented by the scheme 6-5 ← 6. The PostScript-compatible mode of XꞮMTEX presumes the successive processing of dvips(k) to give a .ps file. If the PDF-compatible mode of XꞮMTEX is selected, the successive processing of dvipdfmx is required to obtain .pdf file.

```
\documentclass{article}
\usepackage{xymtexps}   % PostScript mode
%\usepackage{xymtexpdf}   % PDF mode

\begin{document}
\nonaheterov[egj{b\sixfusev[bdf]{}{}{e}}]{}{6==H$_{2}$N} \qquad
\nonaheterov[egj{b\sixfusev[bdf]{}{3==NH$_{2}$}{e}}]{}{}
\end{document}
```
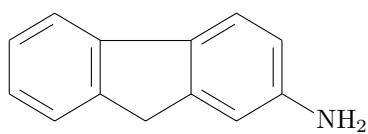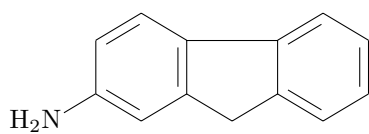

The following code adopts the fusion of a [5] ring (\fiveheterov) with two [6] rings (\sixfusev). The mode of fusion can be represented by the scheme 6 → 5 ← 6.

```
\fiveheterov[%
{b\sixfusev[bdf]{}{}{e}}
{d\sixfusev[bdf]{}{5==H$_{2}$N}{b}}
]{}{}
\hskip3cm
\fiveheterov[%
{b\sixfusev[bdf]{}{3==NH$_{2}$}{e}}
{d\sixfusev[bdf]{}{}{b}}
]{}{}
```

Another mode of fusing is possible, i.e., $6 \leftarrow 5 \leftarrow 6$.

```
\sixheterov[bdf{b\fivefusev[%
{b\sixfusev[bdf]{}{}{e}}]{}{}{d}}]{}{5==H$_{2}$N}
\hskip3cm
\sixheterov[bdf{b\fivefusev[%
{b\sixfusev[bdf]{}{3==NH$_{2}$}{e}}]{}{}{d}}]{}{}
```