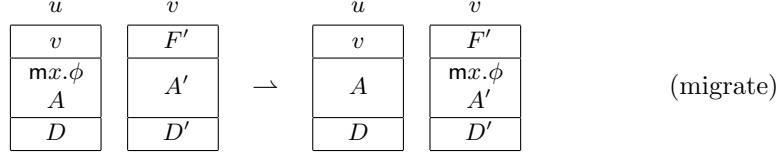
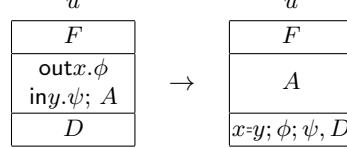


Drawing fusion machines

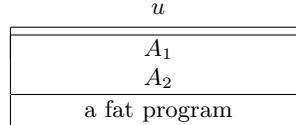
This latex file shows how to draw fusion machines and channel machines. For example, a heating rule:



A reaction:



A fat channel machine:



The basic commands are

```
\fad{u}{F}{A}{D}           - a fusion machine
\cad{u}{A}{D}               - a channel machine
\fad, \qfad, \qqfad        - in increasing order of width
\qqqfad, \qxfad
\fad{-}{A_1 \\ A_2}{D}    - for multi-line contents
```

This is the code used to generate the example pictures:

```
\begin{equation}
\qfad{u}{v}{\atom{x}{\phi} \\ A}{D}\quad
\qfad{v}{\pd{F'}{\pd{A'}{\pd{D'}}}\quad
\quad\heat\quad
\qfad{u}{v}{A}{D}\quad
\qfad{v}{\pd{F'}{\atom{x}{\phi} \\ \pd{A'}{\pd{D'}}}\quad
\tag{migrate}
\end{equation}
\begin{equation*}
\qqfad{u}{F}{\out{x}{\phi} \\ \in{y}{\psi}; A}{D}\quad
\quad\red\quad
\qqfad{u}{F}{A}{x=y; \phi; \psi, D}
\end{equation*}
\begin{equation*}
\qcad{u}{A_1 \\ A_2}{D}\quad\text{a fat program}
\end{equation*}
```