



```
\definecolor{bg}{rgb}{1,.5,.2}
\definecolor{bgs}{rgb}{.5,1,.5}

\SpecialCoor
% \pctline(x1,y1)(v1)(x2,y2)(v2){pct}
\makeatletter
\def\pctline(#1)(#2)(#3)(#4)#5{%
  \pst@getcoor{#1}\pst@tempa
  \pst@getcoor{#3}\pst@tempb
  \def\@factor{#5}
  \addto@pscode{%
    \pst@tempa /YA exch \pst@number\psyunit div def
    /XA exch \pst@number\psxunit div def
    \pst@tempb /YB exch \pst@number\psyunit div def
    /XB exch \pst@number\psxunit div def
    /dx XB XA sub def
    /dy YB YA sub def
    /len dx dx mul dy dy mul add sqrt def
    /x1 .2 dx len div mul def
    /y1 .2 dy len div mul def
    /x2 \@factor\space dx mul def
    /y2 \@factor\space dy mul def%
  }
  \ncline[linecolor=black,linewidth=.5mm]{#2}{#4}%
  \psline[linecolor=red,linewidth=.5mm](!%
    XA x1 add YA y1 add)(! XA x2 add YA y2 add)%
}
\makeatother

\begin{document}
```

```
\begin{pspicture}(0,0)(10,5)
\psset{unit=.7}
\cnode[fillstyle=solid,fillcolor=bgs](6,5){.2}{c2}
\cnode[fillstyle=solid,fillcolor=bg](9,4){.3}{f2}
\pctline(6,5)(c2)(9,4)(f2){.3}
\end{pspicture}
```