

Segment number	Usage
0x0	Kernel text and data
0x1	User text
0x2	User stack, data
0x3	
0x4	
0x5	
0x6	
0x7	
0x8	
0x9	
0xA	
0xB	
0xC	
0xD	Shared library text
0xE	
0xF	Per-process shared library data

```

\usepackage{pst-node}
\usepackage{bigdelim}
\usepackage{multirow}
\usepackage{colortbl}
\usepackage{array}
\definecolor{gray}{rgb}{0.9, 0.9, 0.9}
\def\empty{\multicolumn{1}{|c|}{}}
\def\colCell#1#2{\multicolumn{1}{|>{\color{#1}}c|}{#2}}
\def\nodeCell#1{\multicolumn{1}{|c|}{\pnode{#1}{}}}
\begin{document}

\def\arraystretch{1.1}
\begin{tabular}{ccl}
\textbf{Segment} & \textbf{Usage} & \\
\textbf{number} & & \\\cline{2-2}
0x0 & \colCell{gray}{Kernel text and data} & \\\cline{2-2}
0x1 & \colCell{gray}{User text} & \\\cline{2-2}
0x2 & \colCell{red}{User stack, data} & \\\cline{2-2}
0x3 & \nodeCell{A} & \\
& \rdelim\}{10}{1.5cm}[\parbox{6.5cm}{Available for the user process}] &
\end{tabular}

```

```

    \hspace*{0.25cm}\pnode{A2}if \texttt{shmat()}\\
    or \texttt{mmap()} is called]\\\cline{2-2}
0x4 & \empty & \\\cline{2-2}\\
0x5 & \empty & \\\cline{2-2}\\
0x6 & \empty & \\\cline{2-2}\\
0x7 & \empty & \\\cline{2-2}\\
0x8 & \empty & \\\cline{2-2}\\
0x9 & \empty & \\\cline{2-2}\\
0xA & \empty & \\\cline{2-2}\\
0xB & \empty & \\\cline{2-2}\\
0xC & \nodeCell{B} & \\\cline{2-2}\\
0xD & \colCell{gray}{Shared library text} & \\\cline{2-2}\\
0xE & \empty & \pnode{B2}\\
0xF & \colCell{gray}{\footnotesize Per-process\\
shared library data} & \\\cline{2-2}\\
\end{tabular}\\
\ncline[arrows=>, linewidth=2pt, linecolor=blue]{A}{B}\\
\ncdiag[arrows=>, linewidth=1.25pt, linearc=0.2,\\
angleA=180, angleB=0, armA=0.2cm, nodesepB=-0.25cm, armB=0.625cm]{A2}{B2}

```