Graph Drawing in Latex (12A)
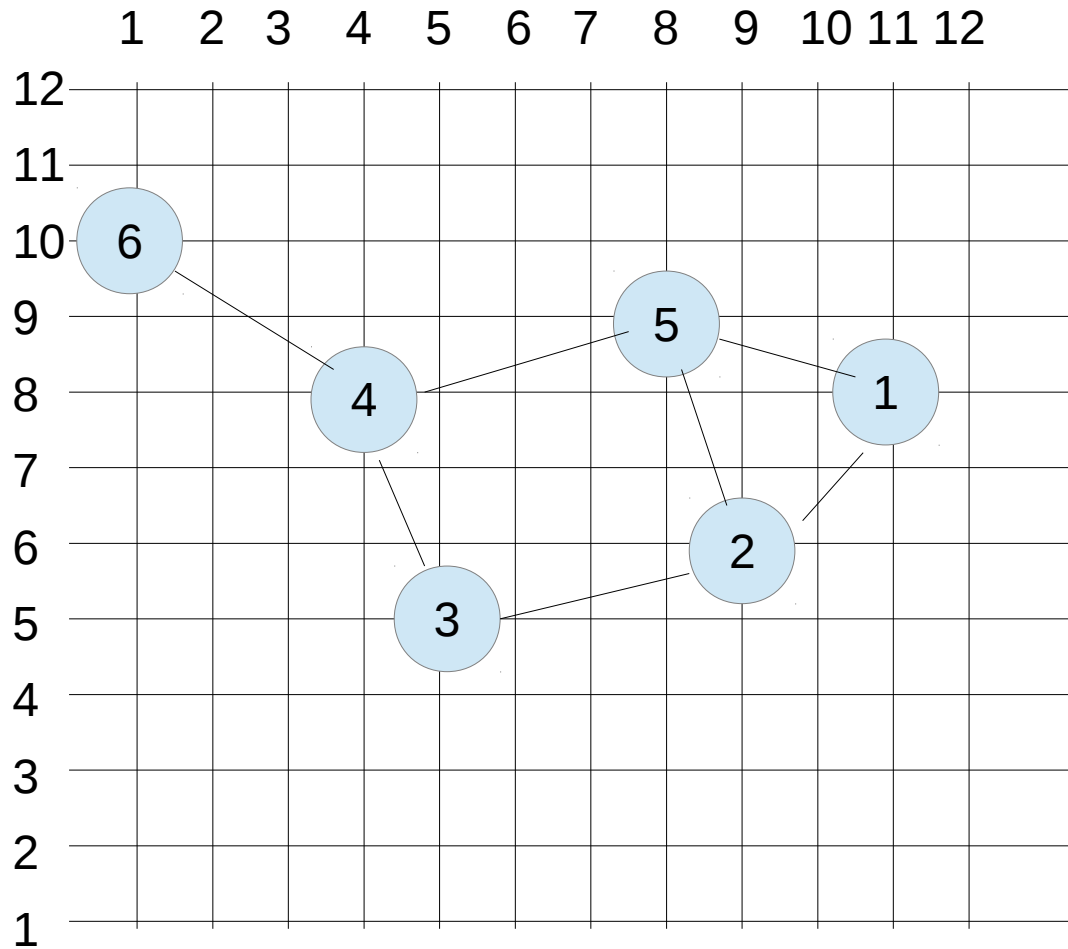
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2/27/18

Please send corrections (or suggestions) to youngwlim@hotmail.com.

This document was produced by using LibreOffice and Octave.

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Positions

Simple Graph using the **tikz** package

```
\documentclass{article}

\usepackage{tikz}

\begin{document}

\begin{tikzpicture}
  [scale=.8,auto=left,every node/.style={circle, fill=blue!20}]
  \node (n6) at (1,10) {6};
  \node (n4) at (4,8)  {4};
  \node (n5) at (8,9)  {5};
  \node (n1) at (11,8) {1};
  \node (n2) at (9,6)  {2};
  \node (n3) at (5,5)  {3};

  \foreach \from/\to in {n6/n4,n4/n5,n5/n1,n1/n2,n2/n5,n2/n3,n3/n4}
    \draw (\from) -- (\to);

\end{tikzpicture}

\end{document}
```
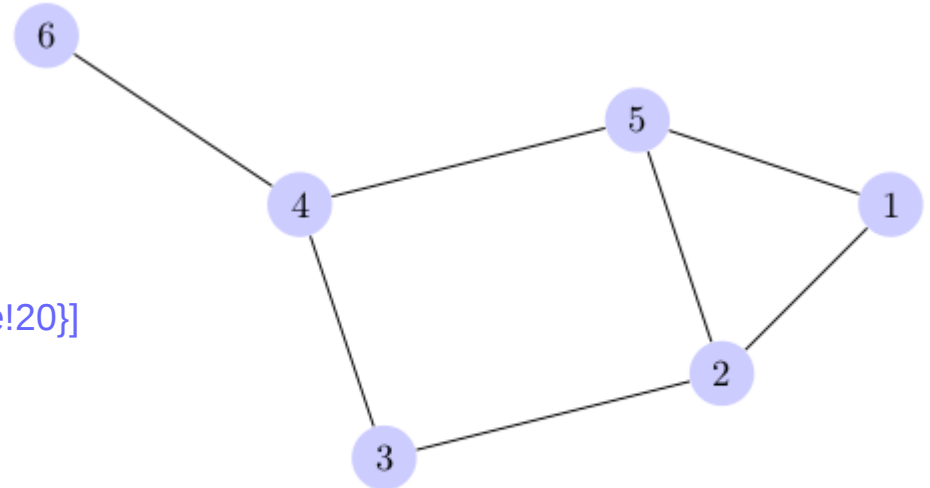
https://stackoverflow.com/questions/2985507/how-to-draw-a-graph-in-latex

Some Links

- http://www.texample.net/tikz/examples/prims-algorithm/
- http://www.texample.net/media/tikz/examples/PDF/red-black-tree.pdf
- http://www.texample.net/media/tikz/examples/PDF/state-machine.pdf
- https://tex.stackexchange.com/questions/57152/how-to-draw-graphs-in-latex
- https://stackoverflow.com/questions/2985507/how-to-draw-a-graph-in-latex
- https://martin-thoma.com/how-to-visualize-graph-algorithms-with-latex/
- https://tex.stackexchange.com/questions/343210/how-to-draw-this-graph-using-the-tikz-graphdrawing-library
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References

[1]   http://en.wikipedia.org/
[2]