My first document

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Contents

1 Section

Hello World!

1.1 Subsection

Structuring a document is easy!

1.1.1 subsubsection

More text.

Paragraph Some paragraph text

2 Another Section

my favourite equation

$$f(x) = x^2$$

$$y = \frac{1}{(x-2)^2} \tag{1}$$

$$y = \frac{1}{x^2 - 4x + 4} \tag{2}$$

$$\tag{3}$$

Volume of a disc

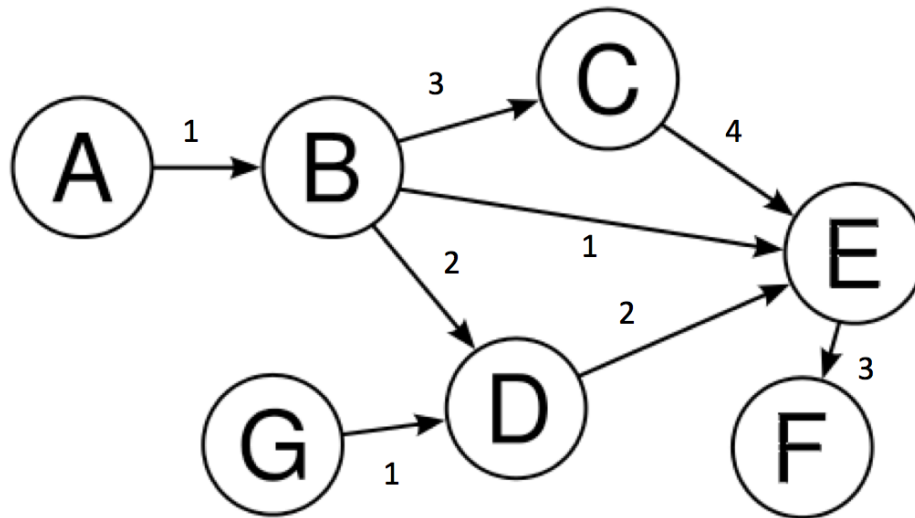$$V = \int_b^a \pi r^2 \tag{4}$$

Figure 1: Dijktra algorithm

3 Graph

Figure 1 shows a node A going to node F

```python
def gcd(a, b):
    if(b==0):return a
    else:    return gcd(b, a%b)
```