

Section title

This is a placeholder for writing contents

Image

This is an how we can refer to an image, see figure 1.

```
mygraphviz = import ./graphviz.nix {
  inherit mkDerivation fontconfig libjpeg bzip2;
  gd = customgd;
};
```

Figure 1: Leopard icon

There are other ways of showing sub-images and display sub-captions like using in latex, see figure

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```
\ begin{figure} [label 1]{{
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}} [label
```

```
mygraphviz = import ./graphviz.nix {
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```

Figure 2: figures with captions

```
mygraphviz = import ./graphviz.nix {
  inherit mkDerivation fontconfig libjpeg bzip2;
  gd = customgd;
};
2]{{ }}
```

Table

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| Your name | | 2 |
| another name | | 3 |

Section title

Mathematics in latex

Check equation 1.

$$f(x) = s_0 = \frac{\sum_i n_i^T (x - x_i) \Phi_i(x)}{\sum_i \Phi_i(x)} \quad (1)$$

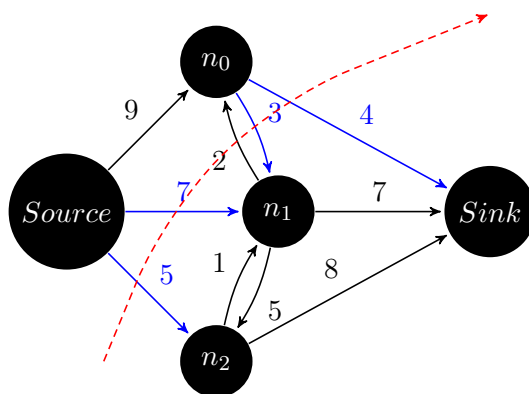
To have a set of equations and to align them:

$$\begin{aligned} \max \quad & \mathbf{c}^T \mathbf{x} \\ \text{s.t.} \quad & \mathbf{Ax} \leq \mathbf{b} \\ & \mathbf{x} \geq \mathbf{0} \end{aligned} \quad (2)$$

Graph

Check out the graph in figure 3.

Figure 3: Max flow min cut, max flow = 19



Algorithm

Algorithm 1 How to write algorithms

Data: Initial bounding-box Q_0 for Θ , $QBest = Q_0$, $delta = 3$, stack $\Omega = \{Q_0\}$

Result: Optimal $Q^* = QBest \in \Omega$

```
while  $U_k - L_k > 1$  do
  Pop  $Q_k \in \Omega$ 
  Prune  $\Omega$  if current node is impossible solution node
  Compare  $L_k$  from  $Q_k$  and  $QBest$ 
  if  $Q_k.L_k > QBest.L_k$  then
    |  $QBest = Q_k$ 
  end
  Split  $Q$  into  $Q_I$  and  $Q_{II}$ 
  Find best condidate from  $Q_I$  and  $Q_{II}$  and add them to stack  $\Omega$ 
end
```

Flowchart

This flowchart in Fig. 4 is modified from this latex code.

Citation

This is how we can cite paper [?]

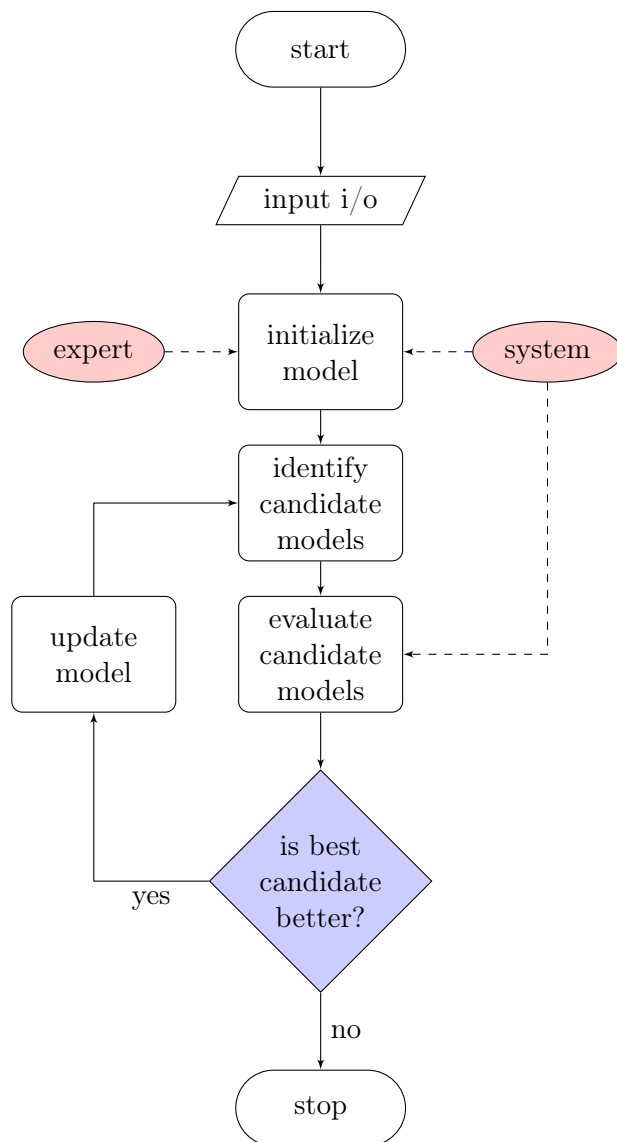


Figure 4: This is my flow chart