```
Insert node between two nodes
```

Use calc library to position m between the two nodes.

```
b

m
a

\begin{tikzpicture}
 \node (a) {a};
 \node (b) at (5,1) {b};
 \node at ($(a)!0.5!(b)$) {m};

\end{tikzpicture}
```

Positioning several nodes between two nodes

```
\node (a) {a}; \node (b) at (8,0) {b}; \path (a) -- (b) node [pos=.25]{c} node [pos=.5]{d} node [pos=.75]{e};
```

b

With positioning library  $\phi = 1$  (a) -- node [below=5] {m} (b); signifies 5cm, while without signifies 5pt.

d

```
a b
```