

24.241 Pset Template

Your MIT ID

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Here is an example derivation:

1	(1)	$P \rightarrow Q$	A
2	(2)	P	A
1, 2	(3)	Q	1, 2 MP

It is produced with the following code:

```
\begin{ND}[ ][ ][ ][0.7\linewidth]
  \ndl{1}{ $P \rightarrow Q$ }{A}
  \ndl{2}{ $P$ }{A}
  \ndl{1,2}{ $Q$ }{1, 2 MP}
\end{ND}
```

The lines of the derivation are enclosed by the ND environment: `\begin{ND}... \end{ND}`. (The `[][][][0.7\linewidth]` part just sets the sizing of the derivation; it's optional.)

To typeset a line, use `\ndl{lines of the assumptions}{sentence}{rule of inference}`.

Mathematical symbols need to be enclosed by `$`s, e.g., `$P \rightarrow Q$` for $P \rightarrow Q$.

Here are some of the symbols we'll use:

- `\neg`: \neg
- `\land`: \wedge
- `\lor`: \vee
- `\rightarrow`: \rightarrow
- `\forall`: \forall
- `\exists`: \exists