

```
\ifhbox <register>  
\ifvbox <register>  
\ifvoid <register>
```

These commands test the contents of the box register numbered $\langle register \rangle$.

Let $\langle register \rangle$ be n . Then:

- `\ifhbox` is true if `\box n` is an hbox.
- `\ifvbox` is true if `\box n` is an vbox.
- `\ifvoid` is true if `\box n` is void, i.e, doesn't have a box in it.

Example:

```
\setbox0 = \vbox{} % empty but not void  
\setbox1 = \hbox{a}  
\setbox2 = \box1 % makes box1 void  
\ifvbox0 true\else false\fi;  
\ifhbox2 true\else false\fi;  
\ifvoid1 true\else false\fi
```

produces:

```
true; true; true
```