

`\valign`

“The control sequence `\valign` is analogous to `\halign`, but rows and columns change rôles. In this case `\cr` marks the bottom of a column, and the aligned columns are vboxes that are put together in horizontal mode. The individual entries of each column are vboxed with depth zero (i.e., as if `\boxmaxdepth` were zero, as explained in Chapter 12); the entry heights for each row of a `\valign` are maximized in the same fashion as the entry widths for each column of an `\halign` are maximized. The `\noalign` operation can now be used to insert horizontal mode material between columns; the `\span` operation now spans rows. ***People usually work with T<sub>E</sub>X at least a year before they find their first application for `\valign`***; and then it’s usually a one-row `\valign{\vfil#\vfil\cr...}`. But the general mechanism is there if you need it.”

D.E. Knuth