A formula from the \textit{\LaTeX} Companion, 2nd Edition, p.390:

\[
t[u_1, \ldots, u_n] = \sum_{k=1}^{n} \binom{n-1}{k-1} (1-t)^{n-k} t^{k-1} u_k.
\]

The ISO would prefer that a formula like

\[
\Phi(u) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{u} e^{-t^2/2} \, dt
\]

be typeset instead as

\[
\Phi(u) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{u} e^{-t^2/2} \, dt,
\]

with upright $\pi$, $e$ and $d$. I dislike the look of $dt$ when the slope of $t$ is too great.