

`\tbinom{n}{k}`:  $\binom{n}{k}$ , (does not look good, the vertical space between  $n$  and  $k$  is too big)

`\binom{n}{k}`:  $\binom{n}{k}$  (looks fine to me)

`\dbinom{n}{k}`:  $\binom{n}{k}$  (does not look good, too big parenthesis, even for displayed formulas).