

# realhats v2.0

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`realhats` is a package for L<sup>A</sup>T<sub>E</sub>X that makes the `\hat` put real hats on symbols. For example, the input `\hat{a}=\hat{b}` will produce the output:

$$\hat{a} = \hat{b}$$

To make a vector with a hat, the input `\hat{\mathbf{a}}` produces:



The command `\hat` will choose a hat randomly from six hats:

- $\hat{a}$  - A beret
- $\hat{a}$  - A Santa hat
- $\hat{a}$  - A Scottish hat
- $\hat{a}$  - A sombrero
- $\hat{a}$  - A wizard's hat
- $\hat{a}$  - A top hat

Variables can be given a non-random hat, using the command `\hatn`:

- `\hatn{a}{0}` produces  $\hat{a}$
- `\hatn{a}{1}` produces  $\hat{a}$
- `\hatn{a}{2}` produces  $\hat{a}$
- `\hatn{a}{3}` produces  $\hat{a}$
- `\hatn{a}{4}` produces  $\hat{a}$
- `\hatn{a}{5}` produces  $\hat{a}$