The braket package

Macros for Dirac bra-ket $\langle | \rangle$ notation and sets $\{ | \}$

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Commands defined are:

$bra{}$	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$braket{}$	$set{}$	(small versions)
$Bra{ }$	${E} $	$Braket{}$	$Set{ }$	(expanding versions)

The "small versions" use fixed-size brackets independent of their contents, whereas the "expanding versions" make the brackets and vertical lines expand to envelop their contents (internally using the **\left** and **\right** commands). You should use the vertical bar character "|" to input any extra vertical lines. In **\Braket** these vertical lines will expand to match the arguments, and in **\Set** the first vertical will expand. E.g.,

Likewise, you may make an expandable double-bar using either the " $\$ " command or its local alias "||".

NOT defined is "\ketbra" (for projection operators) because I prefer \ket{ } \bra{ }.

Because each definition is so small, it makes no sense to have a complicated generic version for many bracket styles. Instead, you can just copy the definitions and change \langle or \rangle, to what you like.