

Brackets

$$\left\langle x \left| \frac{1}{2} \right\rangle\right.$$

$$\left\langle x \left| \frac{1}{2} z \right\rangle\right.$$

$$\left\langle x \left| \frac{1}{2} \right| y \right\rangle$$

$$\left\langle x \left| \frac{1}{2} |a| \right| y \right\rangle$$

parser interferes: $\left\langle x \left| \frac{1}{2} |a| \right| y \right\rangle$

parser interferes: $\left\langle x \left| \frac{1}{2} a b \right| y \right\rangle$

$$\left\langle x \left| \frac{1}{2} \right| y \right\rangle$$

todo, replace $\langle \rangle$?: $\langle x \left| \frac{1}{2} \right| y \rangle$

Sets

$$\left\{ x \left| x < \frac{1}{2} \right. \right\}$$

$$\left\{ x \left| |x| < \frac{1}{2} \right. \right\}$$

must use abs (though no better way to do this): $\left\{ x \left| \left| \frac{1}{x} \right| < 3 \right. \right\}$

escape scaling: $\left\{ x \mid x < \frac{1}{\frac{1}{2}} \right\}$

$$\left\{ x \mid x < \frac{1}{\frac{1}{2}} \right\}$$

mid

$$\left\{ x \mid x < \frac{1}{\frac{1}{2}} \right\}$$

$$\left\{ x \left(\right) x < \frac{1}{\frac{1}{2}} \right\}$$

Ketbra (projection operators)

$$\left| \frac{1}{2} \right\rangle \left\langle x \right|$$

not interpreted as bracketed $\left| \frac{1}{2} \right\rangle \left\langle x \right| \Leftarrow \$ | \dots \rangle \langle x | \$$

doesn't compile $\$ \text{lr}(|x\rangle \langle x|) \$$

error: expected closing paren

└─ test.typ:39:11

39 └─ $\$ \text{lr}(|x\rangle \langle x|) \$$
└─ ^

$$\left| x \right\rangle \left\langle \frac{1}{2} \right|$$

$$\left| x \right\rangle \left\langle \frac{1}{\frac{1}{2}} \right|$$

spacing breaks it: $\left| x \right\rangle \left\langle \frac{1}{\hbar} \right| \Leftarrow \$ \text{ketbra}(x \text{ angle.r angle.l } \dots) \$$

$$\left| x \right\rangle \left\langle y \frac{1}{\hbar} \right|$$

unscaled: $|x\rangle \left\langle y^{\frac{1}{\frac{1}{2}}}\right|$

Probability

$$P\left(A \left| \frac{1}{\frac{1}{2}}\right.\right)$$