The Pigeonhole Principle

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This is an inline equation: $y = mx + b$

This is a fraction: $\frac{1234}{3456}$

This is a set
$$S = \{0, 1, 2, 3, 4, 5, 6, 7\}$$

This is a ceiling:
$$\lceil \frac{111}{5} \rceil$$

This is a better ceiling:
$$\left\lceil \frac{111}{5} \right\rceil$$

Hello, World!
$|S|$

- Broccoli

- Beans

- Bluebell IceCream

- Burger Buns

- Bueno Beff

- Bowling Ball

1. Denzel Curry

2. Sza

3. Aubrey Graham

4. what? What?

5. Hua Cheng Yu

$Floor(x) = LargestInteger \leq X$
$\left\lfloor \frac{1,000,017}{1,000,019} \right\rfloor \approx \lfloor 0.99999 \rfloor = 0$

$$\left\lfloor \frac{1,000,017}{1,000,019} \right\rfloor \approx \lfloor 0.99999 \rfloor = 0 \tag{1}$$