

Wilson's Theorem

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4:11 PM

$$\underbrace{1 \cdot 2 \cdot \dots \cdot (p-1)}_a \equiv -1 \pmod{p}$$

PF

$$ax^{p-1} = a \quad \forall x$$

$$\prod_{k=0}^{p-1} (x+k) = x^p - x$$

$$\prod_{k=1}^{p-1} (x+k) = x^{p-1} - 1$$

~~scribble~~

