

P(L) is true
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P(L), P(2), ..., P(n) is always true.
Theorem: If
$$n \ge 2$$
, then n is a product 5. 2. 3
of primes.
 $2,3,4 = 2.2,5,20 = 2.25$
 $30 = 2.3.5$
PiBP-Pa = $q_1 \cdot q_2 \cdot q_3$
 $P(2)$, $2 = 2$ and disprime.
Assume P(2), P(3), ..., P(n).
P(A+1)
 $n+1$ is either prime or not prime.
Suppore not is not prime, then:
 $A^{1} = P \cdot q + \frac{P(q < n+1)}{P(q < n+1)}$
Using the induction hypothesis on "p" of
"P" is a product of primes then
 $n+1 = p \cdot g$ is also a product of primes
 f_{x} : Chocolate bop

