iii)	Prop of Pisaprime, and EZ
	and planan. Then there exists
	and planan. Then there exists  15isn such that plai.
	Pf: Use induction on n and use the previous proposition.
	previous proposition.
	previous proposition.
(1)	Thm (Existence and uniqueness of prime
	tadorization). Let n + N, n > 0. Then
	factorization). Let n + N, n > 0. Then there n can be expormed as a product P1P where each pi is a prime
	P P where each p: is a prime
	7
	(not necessarily distinct primes).  Moreoner of there is another expression
	More one of there is another expression
4	n= 9/1. 9/5 with each 9/2 prime, then r= s and there exists a bijection T: \{1,,r\} -> \{1,,r\} such that
7	then r = s and there exists a bijection
	TI: {1,, r} -> {1,, r} such that
	$P_i = q_{\pi(i)}$ for $1 \le i \le r$ .
	$\pi(i)$
	Pf: To prone existence of the prime decomposition
	use induction on n.
	max (r, s) and the previous proposition
	max (1) = mer me previous proposition
	ug .