

Let  $m, n \in N, \quad m < n$   
 Having  $m = kn + r \quad \text{and} \quad m < n$   
 $\Rightarrow (k = 0 \quad \text{and} \quad r = m)$   
 Having  $m \leftarrow n, n \leftarrow r \quad \text{and} \quad m < n$   
 $\Rightarrow m > n$