1. MPIR定义的整数数据结构：

（1）mpz\_t

MPIR integers are stored in objects of type mpz\_t

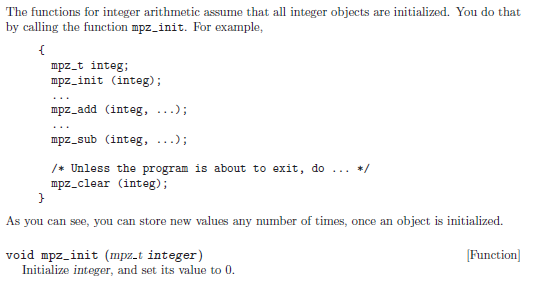
1. mpir\_ui

mpir\_ui defined as unsigned long int

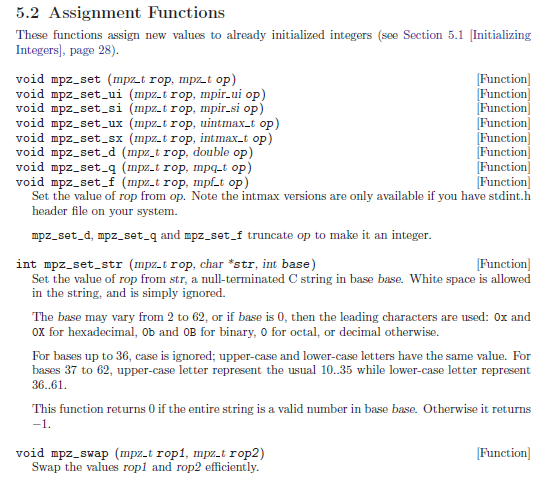
Functions for signed integer arithmetic, with names beginning with mpz\_

MPIR contains functions with suffixes of \_ui that is used to input unsigned integers

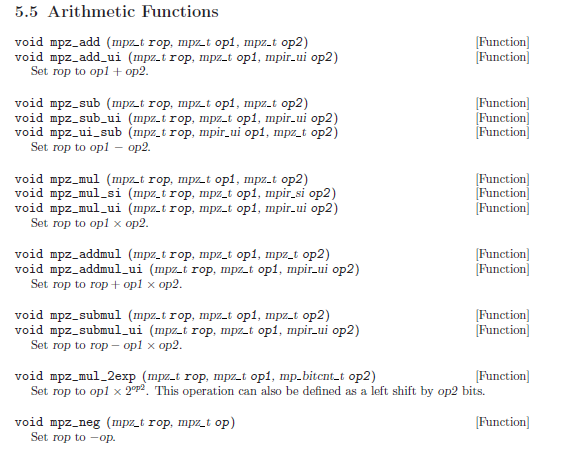
使用mpz\_t 必须要用mpz\_init函数进行初始化。



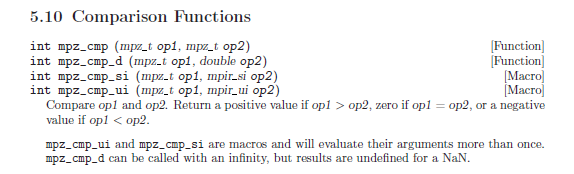
1. 大数变量赋值



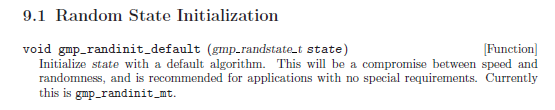
1. 基本运算

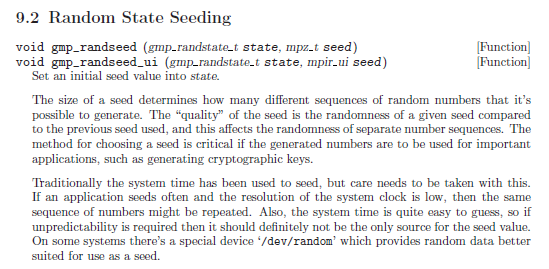


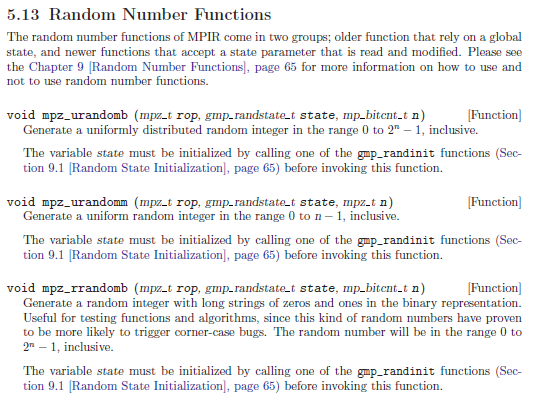
4、比较函数



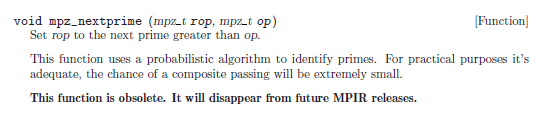
5、随机数生成







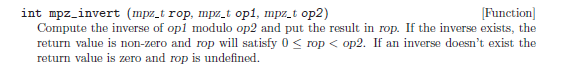
6、素数判定



7、求最大公约数



8、求模逆



9、求模幂

