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mpz/inp_raw.c: Avoid bit size overflows
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date Thu, 21 Oct 2021 19:06:49 +0200 (2021-10-21)
parents e1fd9db13b47
children 402b9c4efacb
files mpz/inp_raw.c
diffstat 1 files changed, 4 insertions(+), 1 deletions(-) [+]

line diff **line wrap: on**

```
1.1   --- a/mpz/inp_raw.c     Tue Dec 22 23:49:51 2020 +0100
1.2   +++ b/mpz/inp_raw.c     Thu Oct 21 19:06:49 2021 +0200
1.3   @@ -88,8 +88,11 @@
1.4
1.5      abs_csize = ABS (csize);
1.6
1.7   +  if (UNLIKELY (abs_csize > ~(mp_bitcnt_t) 0 / 8))
1.8   +    return 0; /* Bit size overflows */
1.9   +
1.10     /* round up to a multiple of limbs */
1.11  -  abs_xsize = BITS_TO_LIMBS (abs_csize*8);
1.12  +  abs_xsize = BITS_TO_LIMBS ((mp_bitcnt_t) abs_csize * 8);
1.13
1.14     if (abs_xsize != 0)
1.15       {
```