```
floor(fsolve(x*(x-1) = 2^24, x, 1..2^64)); # modular < float >
floor(fsolve(x*(x-1) = 2^53, x, 1..2^64)); # modular < double >
floor(fsolve(x*(x-1) = 2^31, x, 1...2^64)); # modular < int32 > 1...2^64
floor(fsolve(x*(x-1) = 2^63, x, 1...2^64)); # modular < int64 > 1...2^64
                                              4096
                                           94906266
                                             46341
                                          3037000500
                                                                                                     (1)
floor(fsolve((x + 1) * (x-1) = 2^26, x, 1...2^64)); # modular-balanced < float > 1...2^64
floor(fsolve((x+1)*(x-1) = 2^55, x, 1...2^64)); # modular-balanced < double >
floor(fsolve((x+1)*(x-1) = 2^33, x, 1..2^64)); # modular-balanced < int32 > 3
floor(fsolve((x+1)*(x-1) = 2^65, x, 1..2^64)); # modular-balanced < int64 > 1..2^64
                                              8192
                                           189812531
                                             92681
                                          6074001000
                                                                                                     (2)
\min(solve(2\cdot x=2^{16},x), floor(fsolve(x*(x-1)=2^31,x,1..2^64))):\%, prevprime(\%);
    # ZpzDom < Std16 >
floor(\hat{fsolve}(x * (x-1) = 2^31, x, 1...2^64)): %, prevprime(%);# ZpzDom <Std32>
floor(fsolve(x * (x-1) = 2^32, x, 1...2^64)): %, prevprime(\%);# ZpzDom < Unsigned 32 > 1...2^64
floor(fsolve(x * (x-1) = 2^28, x, 1...2^64)): %, prevprime(\%);# ZpzDom < Std32 > 1...2^64
floor(fsolve(x * (x-1) = 2^63, x, 1...2^64)): %, prevprime(\%);# ZpzDom < Std64 > 1...2^64
floor (fsolve(subs(B=2^{16}, (x-1)^2+x\cdot B=B^2), x, 1...2^{64})): %-1, prevprime(%);
    # Montgommery < Std32 >
                                         32768, 32749
                                         46341, 46337
                                         65536, 65521
                                          16384, 16381
                                   3037000500, 3037000493
                                         40503, 40499
                                                                                                     (3)
```