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[> # find first occurrence of a 19-tuple
[> pat := [0, 4, 6, 10, 12, 16, 24, 30, 34, 40, 42, 46, 52, 54, 60, 66, 70, 72, 76]
      pat := [0, 4, 6, 10, 12, 16, 24, 30, 34, 40, 42, 46, 52, 54, 60, 66, 70, 72, 76] (1)
[> #The first prime in this 19-tuple has form 29917 (modulo 30030).
[> ifactor(2305567963945518424753102147331756070)
(2) (3) (5) (7) (11) (13) (17) (19) (23) (29) (31) (37) (41) (43) (47) (53) (59) (61) (2)
     (67) (71) (73) (79) (83) (89) (97)
[> # estimate that first prime is less than 1035
    for a from 2304799647037 to 1035 by 30030 do
    okay := 1 :
    counter := 1 :
    while counter < 20 and okay = 1 do
    okay := igcd(2305567963945518424753102147331756070, a);
    counter := counter+1;
    end do;
    # end isprime precheck
    okay2 := true :
    if okay = 1 then
    for counter from 1 to 19 do
    if okay2 = true then
    okay2 := isprime(a + pat[counter]) :
    end if:
    end do:
    end if:
    end do:
Warning, computation interrupted
[> a
                                     2304799647037 (3)
[> evalf(log10(a))
                                     12.36263318 (4)
[> # So the program searched to 1012 in 150 minutes
[>

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