> $p0 := 1$

$$p0 := 1 \tag{1}$$

> $k := 2;$

$$k := 2 \tag{2}$$

> $\text{while } k < 144 \text{ do } p0 := p0 \cdot k;$
$k := nextprime(k);$
$od;$

$$p0 := 2$$
$$k := 3$$
$$p0 := 6$$
$$k := 5$$
$$p0 := 30$$
$$k := 7$$
$$p0 := 210$$
$$k := 11$$
$$p0 := 2310$$
$$k := 13$$
$$p0 := 30030$$
$$k := 17$$
$$p0 := 510510$$
$$k := 19$$
$$p0 := 9699690$$
$$k := 23$$
$$p0 := 223092870$$
$$k := 29$$
$$p0 := 6469693230$$
$$k := 31$$
$$p0 := 200560490130$$
$$k := 37$$
$$p0 := 7420738134810$$
$$k := 41$$
$$p0 := 304250263527210$$
$$k := 43$$
$$p0 := 13082761331670030$$
$$k := 47$$
$$p0 := 614889782588491410$$

$$k := 53$$
$$p0 := 32589158477190044730$$
$$k := 59$$
$$p0 := 1922760350154212639070$$
$$k := 61$$
$$p0 := 11728838135940697098327 0$$
$$k := 67$$
$$p0 := 78583215510802670558790 90$$
$$k := 71$$
$$p0 := 557940830126698960967415 390$$
$$k := 73$$
$$p0 := 4072968059924902415062132 3470$$
$$k := 79$$
$$p0 := 3217644767340672907899084554 130$$
$$k := 83$$
$$p0 := 26706451568927585135562401799 2790$$
$$k := 89$$
$$p0 := 2376874189634555077065053760135 8310$$
$$k := 97$$
$$p0 := 2305567963945518424753102147331 756070$$
$$k := 101$$
$$p0 := 2328623643584973609000633168805 07363070$$
$$k := 103$$
$$p0 := 2398482352892522817270652163869 2258396210$$
$$k := 107$$
$$p0 := 2566376117594999414479597815340 071648394470$$
$$k := 109$$
$$p0 := 2797349968178549361782761618720 67809674997230$$
$$k := 113$$
$$p0 := 3161005464041760778814520629154 3662493274686990$$
$$k := 127$$
$$p0 := 4014476939333036189094441199026 045136645885247730$$
$$k := 131$$
$$p0 := 5258964790526277407713717970724 11912900610967452630$$
$$k := 137$$
$$p0 := 7204781763021000048567793619892 04320673837025410103 10$$
$$k := 139$$
$$p0 := 1001464665059919006750923313164 994005736633465320043309 0$$
$$k := 149 \tag{3}$$

$$> igcd(1001464665059919006750923313164994005736633465320043 3090, 20953)$$

$$23 \tag{4}$$

$$>$$