

Re: Prime factorization

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> *Phil Carmody*wrote:

willem@bermon-dot-net.no-spam.invalid (Wilhelm) writes:

>

> *Ok well thank you for the commenting i'll explain my method then.*

>

> *n!+a is always divisible by a if $a \leq n$*

>

> *So if you take a factorial for example $n!$ and take out all
divisibles*

> *lower than n and higher than 1 then you can reuse it as an overlay*

> *(sieve) to either filter out new candidate divisibles or generate a*

> *new sieve.*

>

> *So if we start of with a sieve of $2!$ (P is possible prime and X is*

> *composite)*

>

> *$2!$ P,P*

> *$3!$ P,P,P,P,P removing divisibles by 2 results in P,X,P,X,P,X*

> *$4!$ P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X,P,X removing*

> *divisibles*

> *by 3 results in P,X,X,X,P,X,P,X,X,X,P,X,P,X,X,X,P,X,P,X,X,X,P,X*

>

> *let's say i use the $4!$ sieve i can generate candidates as follows*

>

What does $4!$ give you that 6 doesn't?

...

> *The sieve will not find numbers $< n$ but these can be found when*

> *creating the sieve. Anyway computations above $9!$ are memory hogs so*

>

What does $9!$ give you that 210 doesn't?

You're reinventing the wheel.

Phil

--

They no longer do my traditional winks tournament lunch - liver and

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bacon.

It's just what you need during a winks tournament lunchtime to replace lost

... liver. -- Anthony Horton, 2004/08/27 at the Cambridge 'Long Vac.'

Well i certainly did not come here to get flamed or pushed into the ground. So my idea isn't going to work on 100digit big primes but it's doing quite nicely on big prime numbers and it does work nicely as a prime number generator.

I merely came here to ASK if this was good or not, i didn't say it was the holy grail of prime factorization nor did i ask to get blown out of the water.

No i haven't read up much on factorizing numbers but i do know what the problem involves. What's wrong with giving your own shot at the problem, imo nothing.

Anyway i learn't today that this forum doesn't have very much nice people like Phil with his fucked up commen