

## Re: Surrogate factoring, out of the box

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jstevh@msn.com writes:

- > *Well I'll admit that I've been feeling a bit depressed the last couple*
- > *of days, as I had calculations showing at least 50% success with a*
- > *rational  $x$ , and then I checked thoroughly and found that my method gave*
- > *a LOT of rational  $x$ 's, and wasn't factoring with most of them.*
- >
- > *And then I realized that for most cases it gives you an  $x$  that has your*
- > *target itself as the factor.*
- >
- > *I puzzled over that result, and realized that the math was too*
- > *efficient in searching through rational solutions, so that it could,*
- > *most of the time, find solutions such that the target itself was the*
- > *factor of  $x$ , hence my problem.*
- >
- > *So I squared the target, and it factored.*

Let me guess what the two factors it found were.

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