Subject: Re: generating sequences

Posted by on Fri, 13 Sep 2013 19:56:58 GMT

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On 2013-09-13 21:29, spluque@gmail.com wrote:

- > On Friday, September 13, 2013 2:10:40 PM UTC-5, Mats Löfdahl wrote:
- >> On 2013-09-13 21:01, splugue@gmail.com wrote:
- >>> Hi,

>>

>>

>>> I thought this should be very easy, but I cannot find how to do it IDL. Say we have a vector with a few starting values:

>> >>> a=[1, 12, 90]

>>> and we want to generate sequences of 3 numbers starting with these values, so that we end up with:

> What if the sequence for each starting value was 1000 instead of 3?...

Let's make a sequence of length N. N=1000 will be kind of a waste of space so let's just do

## IDL> N=7

IDL> print,reform(transpose(rebin(a,3,N,/samp) + [1,1,1] # indgen(N)),3\*N)

1	2	3	4	5	6
7	12	13	14	15	16
17	18	90	91	92	93
94	95	96			

If you want to generalize the solution further to a of any length, just substitute n\_elements(a) for the number 3 and replicate(1,n\_elements(a)) for [1,1,1].

> I'm surprised one can't just do:

> print, a + indgen(3)

You can, but of course you'd get a different answer:

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