Subject: Re: Binary (0s and 1s) output
Posted by marc schellens[1] on Wed, 08 Dec 2004 05:57:24 GMT
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josegomez@gmx.net wrote:
> Hi!
> I'm very new to IDL, and I'm trying to convert 5 integers into a series
> of 40 logical (0/1) values. I have done this in fortran in the past
> using an internal write, and then converting each element in the output
> string into a 0 or 1. Given my limited knowledge of IDL, I tried to use
> print with a format specifier, as follows:
> IDL> print,format='(2B8.8)',0,255
> % Unexpected text in format.
> "(2B8.8)"
> ^
> % Execution halted at: $MAIN$
>
> According to my notes, the B format is there and can be used (this is
> IDL 6.0).
>
> The other problem is how to convert the (potentially!) resulting test
> string into an array of integers.

I think this printing/reading is quite ugly.

Better do something like:

bytIn = [your byte value array]

nIn = n_elements(bytIn)

boolOut = bytarr(8, nIn)

for bit=0,7 do begin

boolOut[bit, *] = (bytIn and 2^bit) gt 0

endfor

boolOut[bitnumber, inputIntegerNumber] contains now your result

HDH,
marc