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Subject: BEGINNER ASKS FOR HELP!!!

Posted by [Edoardo \&quot;Dado\&amp;](#) on Fri, 30 Jan 1998 08:00:00 GMT

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Dear Sirs,

I've just started using IDL 5 and I would like to solve this problem I've encountered.

I need to create a RANDOM square matrix that contains only three numbers 0, 1, and (-1). There are two constraints though. I would like to tell the program before it creates this matrix what the (at least approximate) RATIO of 1 / (-1) should be and HOW MANY (at least approximately) 1 and (-1) (total) are on each row of the matrix.

For example, the input by the user would be:

NUMBER OF ELEMENTS PER ROW e.g., 6

RATIO OF 1 / (-1) e.g., 0.5 (at the level of the matrix not of the row)

NUMBER OF 1 AND (-1) (total) IN EACH ROW e.g., 3 (for example 0 0 0 1 1 -1)

I do not need the ratio and number of |1| per row to be exact, also an approximation it's good.

Thanx for your help,

Dado

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