
Subject: Re: Combinatorial

Posted by [andrade_bahia](#) on Mon, 30 Aug 2004 14:58:26 GMT

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Dear Bowman,

I Would like to thank the orientation.

But if the combination will be of more attributes, or either, 4x4, 5x5?? How I could make?

Thanks in advance for your help.

Adilson Andrade

Kenneth Bowman <k-bowman@null.tamu.edu> wrote in message
news:<k-bowman-20D54B.08512927082004@news.tamu.edu>...

> In article <e8ecd642.0408270539.19ddd96a@posting.google.com>,
> andrade_bahia@yahoo.com.br (Adilson) wrote:

>

>> Dear all,

>> Would like to know as I make to effect combinations in the IDL I have
>> a problem where I want to execute a fixed combination of elements
>> contained in a vector. EX: A=[0,1,2,3,4,5] --> six elements I want
>> to make combinations 3x3 of the elements contained in. The formed
>> vector is of $6!/3!(6-3)! = 20$ elements. Example of the vector to be
>> formed->[0,1,2],[0,1,3]... [3,4,5]. In the total of 20 combinations.
>> Which the best form to execute this operation? If you to be able to
>> help me would be grateful.

>> I subscribe myself with the highest consideration.

>> Thanks in advance for your help.

>>

>> Adilson

>

> Not elegant, but I think this does what you want.

>

> IDL> n = 6

> IDL> comb = lonarr(3)

> IDL> for i = 0, n-1 do for j = i+1, n-1 do for k = j+1, n-1 do comb =

> [[comb], [i,j,k]]

> IDL> comb = comb[*,1:~]

> IDL> print, comb

```
>      0      1      2
>      0      1      3
>      0      1      4
>      0      1      5
>      0      2      3
>      0      2      4
>      0      2      5
```

```
>      0      3      4
>      0      3      5
>      0      4      5
>      1      2      3
>      1      2      4
>      1      2      5
>      1      3      4
>      1      3      5
>      1      4      5
>      2      3      4
>      2      3      5
>      2      4      5
>      3      4      5
>
> Ken Bowman
```
