
Subject: Re: Combinatorial

Posted by [andrade_bahia](#) on Tue, 31 Aug 2004 13:02:07 GMT

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Dear Bowman

I obtained to make the combinations without needing to use recursive form.

Thanks in advance for your help.

```
.*****
```

```
,  
FUNCTION Combination,n,k
```

```
c=lindgen(k)
```

```
cmax=N-reverse(lindgen(k))-1
```

```
i=k-1
```

```
comb=c
```

```
while i GE 0 do begin
```

```
c[i]=c[i]+1
```

```
if c[i] GT cmax[i] then begin
```

```
    i=max(where(c lt cmax))
```

```
    if i eq -1 then break
```

```
    c[i]=c[i]+1
```

```
    for j=i+1, k-1 do c[j]=c[j-1]+1
```

```
i=k-1
```

```
endif
```

```
comb= [[comb],[c]]
```

```
;stop
```

```
endwhile
```

```
return, com
```

```
END
```

```
Adilson
```

Kenneth Bowman <k-bowman@null.tamu.edu> wrote in message

news:<k-bowman-A330BB.12580030082004@news.tamu.edu>...

> In article <e8ecd642.0408300658.5304ce28@posting.google.com>,

> andrade_bahia@yahoo.com.br (Adilson) wrote:

>

>> 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

>

> Same idea. To choose m items, you will need to nest m FOR loops. I'm

> sure other algorithms could be devised that have only a single loop.

>

> Ken Bowman
