
Subject: Re: Fastest way to list combinations

Posted by [Jeremy Bailin](#) on Sun, 15 Jul 2012 15:23:26 GMT

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On 7/13/12 6:21 PM, antar3s86@gmail.com wrote:

> Hi

>

> I have to solve a problem which includes listing all possible combinations to form a triplet for a given number of objects.

>

> Say you have the objects:

> a,b,c,d,e, so in total 5 which gives you $5!/(2!*3!) = 10$ possibilities to list them without any doubles:

>

> abc

> abd

> abe

> acd

> ace

> ade

> bcd

> bce

> bde

> cde

>

> I have solved this problem for any number (well up to some computer limit anyway) in three FOR loops but for large numbers this is rather small...

>

> can you think of a better way than using loops to list all these possibilities?

>

> thanks!!

> :)

You could try COMBIGEN in JBIU.

<http://astroconst.org/jbiu/jbiu-doc/math/combigen.html>

-Jeremy.
