Subject: m choose n
Posted by Rob[2] on Tue, 28 Jul 2009 23:09:19 GMT
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Has anyone implemented the combinatorial function which the "n choose k" combinations of an input vector, like Matlab's nchoosek? I'm not talking about just the binomial coefficient n!/(m!*(n-m)!). I'm interested in getting the "n choose k" combinations. Matlab's function:

http://www.mathworks.com/access/helpdesk/help/techdoc/index.html?/access/helpdesk/help/techdoc/ref/nchoosek.html&http://www.google.com/search?q=matlab+nchoosek&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&cl ient=firefox-a

Example:
octave-3.0.5:2> nchoosek([1,2,3,4],2)
ans =

1 2
1 3
1 4
2 3
2 4
3 4

If not, I will just codify Matlab/Octave's nchoosek() and submit to ITT Vis or something like that.

R