Subject: Finding all the possible subsets of a given vector
Posted by moxament on Mon, 20 Aug 2012 19:22:35 GMT
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Hi All,

I have the following question: is there any simple way in IDL which can find all the possible subsets of a vector of n elements starting from subsets with 2 elements until a final subset of n elements (last subset will have all the elements of the given vector). For example:

let A = [1,2, 3, 4] be a given vector. The subsets would be: [1, 2], [1, 3], [1, 4], [2, 3], [2, 4], [3, 4], [1, 2, 3], [1, 2, 4], [1, 3, 4], [2, 3, 4], [1, 2, 3, 4]. Note that the subsets that have the same elements are assumed equal, although the elements have different sequence: for example [2, 3] and [3, 2] are the same.

Any help is appreciated!

MD