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Subject: Expanding array with counts from another array  
Posted by [G. Lichtenberg](#) on Thu, 23 Nov 2006 15:05:49 GMT  
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Hi -

I have a the following problem:

I have two vectors, V with occurring values and C with the number of times the values occur (both in the correct order and V sorted). I know want to create an expanded array that contains for each element of V C copies (loopless if possible). Let's say

V = [3,10,666]

C = [1,2,3]

=>

R = [3,10,10,666,666,666]

(For those who are interested: I use V and C to store a much larger array in a compact way, but have to expand it again to assign the correct counts to individual detector pixels - if that makes any sense to you. And I have of course not three but tens of thousands of values)

I am pretty sure that a solution was probably posted ages ago already, but could not find it yet. Pointers to a solution are appreciated.

TIA

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G. Lichtenberg

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