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Subject: all combinations from two lists

Posted by [Jeremy Bailin](#) on Mon, 14 Mar 2011 19:40:21 GMT

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I'm sure this is possible using some variant of JD's histogram-of-histogram approach, but I'm getting very bogged down in the details, so maybe someone can disentangle it.

I have two lists of IDs. I would like a list of every time an ID appears in both lists. But each ID can appear multiple times in each list, and I would like all combinations. For example:

list1 = [0,1,4,7,8,4,7,4,9]

list2 = [0,6,8,4,4,9,10]

I would like an output list that contains:

0 0 (indices of "0" in both)

2 3

2 4

5 3

5 4

7 3

7 4 (all permutations of where "4" appears in both)

4 2 (indices of "8" in both)

8 5 (indices of "9" in both)

Each list contains millions of elements, so it shouldn't loop through elements or IDs.

-Jeremy.

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