Permutations	
	"7 permute 3"
	= 7 P3
	= 7.6.5 = 7!/4!
	= # of 3-digit, ordered
	lists (PINs) using 1-7
	[1,, 7] without repeating digits
Now "7 permute 7"	
	= 7!/0!
= 7!	
	=# ordered lists of {1,, 7}
	(use all 7 digits without repeating)
	# the permutations of [1, in, 7]
Very useful!	Lots of ways to draw one
	of {1,, 4}.
	1 2 3 4
4 2 1 3	A string picture:
	of bling to at too
B List 4,2,1,3	1 2 3 4 (positions in the
outputs i, izisiq	list) filled in
Call this permu	tation (e by out put at bottom.
C) table:	Dgrid "chess board"
Function input & output	
Functions input & output	
2 2 = 4	(2)
4 3 = 4	(4) only one 1 in each row of column.

