1056-05-715 Shanzhen Gao\* (sgao2@fau.edu), Department of Mathematics, Florida Atlantic University, 777 Galdes Road, Boca Raton, FL 33431. *Enumeration Of Bipartite Graphs*.

How many 4 times 8 (0,1)-matrices are there with four 1's in every row and two 1's in every column? (This is also the number of labeled bipartite graphs of a certain type.). We'll look at this question for m times n matrices required to have s ones in every row and t ones in every column. A formula is given for m=n and s=t=3 in R.Stanley's "Enumerative Combinatorics". We will present some closed formulas this question, for example, s=3, and any t. (Received September 16, 2009)