

1145-05-2030 **Kenneth Barrese*** (barresek@alma.edu). *Adjusting p, q -analogues of m -level Rook Placements.*
Karen Briggs and Jeff Remmel proposed a p, q -analogue of the m -level rook numbers which extended to an analogue of the m -level hit numbers. For singleton boards, a special subset of Ferrers boards, they proved that the p, q m -hit polynomial has non-negative coefficients. By adjusting the definition of the p and q statistics slightly, we can extend the conclusion, establishing that the p, q m -hit polynomials of all Ferrers boards will contain only non-negative coefficients. Furthermore, although the adjustment changes the p, q m -level rook numbers of singleton boards, it does preserve the equivalence classes of singleton boards established by the traditional definitions of the p and q statistics. (Received September 24, 2018)