

ABSTRACT

In this thesis I have shown that for each partition of n , there corresponds an irreducible representation of S_n over the field of complex numbers. The dimensions of these irreducible representations are the dimensions of the irreducible characters. These dimensions are calculated by the “**Hook Length Formula**”. In the end the character values of the character table of S_{10} are computed by the “**The Murnaghan-Nakayama Formula**”.