This thesis constitutes of three chapters. It concerns about the A-N and the A-A interactions. By analysis of the hyperfragments data, it is possible to find out some properties of the hyper nuclear forces.

In the first chapter a review of the scientific efforts done in calculating the binding energy of light hypernuclei is given.

In the second chapter a description to a newly suggested potential of interaction between the A-particle and the nucleus is given. A Rayleih Ritz variational method is used to determine the binding energy of the A-particle in single and double light hypernuclie, with mass number ranging from A=6 till A\15.

In this chapter also, a new method of calculating the A-A interaction is given. The results are discussed and compared with those obtained by Yamamoto et al<sup>(29,30)</sup> and with those obtained by using Nimegen potential<sup>(25)</sup>.

In the third chapter the binding energy of the A-particle in the P-shell is calculated. A new trial function is suggested which must be orthogonal to that of the S-state. The relativistic corrections are used and the results are compared to nonrelativistic results. Also our results are compared to those obtained by Koutroulos et al<sup>(13)</sup>.

Appendices, figures and tables are given at the end of each chapter. The index of contents is given at the beginning of this Thesis. The references are given at the end of the Thesis.