We analyze EAS-MSU muon data in order to measurement of the average muon number in air showers at energies ~ 10^17 eV. We compare the observed muon density to that expected from CORSIKA simulation code for primary protons and iron using EGS4, QGSJET-02 and FLUKA packages. Research suggests that there are two different hadronic components “ light “ or “hard” . Simulations are in a good agreement with the expected composition from surface detectors in which the light component corresponds to protons and the heavy component to iron-like nuclei. Supposing a two-component iron-proton and QGSJET-02 model, the proportions of protons and iron nucleus with energies ~ 10^17 eV are ~0.43 and ~0.57 respectively.