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Amir Jafari* (ajafari@sharif.ir) and **Sharareh Alipour**. *On Chromatic Number of Generalized Kneser Graphs*. Preliminary report.

For integers n, k and i , the generalized Kneser graph $K(n, k, i)$, is a graph whose vertices are subsets of size k of $\{1, 2, \dots, n\}$ and two vertices F and F' are connected if and only if their intersection has less than i elements. In this paper we study the chromatic number of this graph. Some new bounds and properties for this chromatic number are derived. (Received September 21, 2016)