1011-05-195 **Maria Axenovich*** (axenovic@iastate.edu), 396 Carver Hall, Ames, IA 50011, and **Jozsef Balogh**, 1409 W.Green Str., Urbana, IL 61801. *On graphs with few nonisomorphic induced subgraphs.* Preliminary report.

Let G be a graph on n vertices, k, l are integers such that $2l < k < n - 2l$, n is large enough. Let

$$\nu_k(G) = |\{|E(H)| : H \text{ an induced subgraph of } G \text{ on } k \text{ vertices}\}|.$$

We show that if $\nu_k(G) = l$ then there is a function $f(l)$ such that G has a complete or an empty subgraph on at least $n - f(l)$ vertices. This extends the results of Bollobás et al. on structure of graphs with small number of nonisomorphic induced subgraphs. (Received August 26, 2005)