1131-17-339   **Vera Serganova*** (`serganov@math.berkeley.edu`), Department of Mathematics, UC Berkeley, Berkeley, CA 94720, and **Ivan Penkov**. *On a certain version of category O for direct limit Lie algebras.* Preliminary report.

We will define an analogue of Bernstein-Gelfand-Gelfand category O for infinite-dimensional Lie algebras of infinite rank, for example sl(infinity) and discuss analogue of Kazhdan-Lusztig theory in this case. (Received July 18, 2017)