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Gerald Y. Agbegha* (gagbegha@jcsu.edu), Johnson C. Smith University, Department of Mathematics, 100 Beatties Ford Road, Charlotte, NC 28216. *An Analysis of Random Words of Fixed Length*. Preliminary report.

A sequence of random words of fixed length is generated from a given alphabet. These words can be considered as multisets. We develop some probability distributions for some characteristics of this sequence such as the link degree between two successive words and the length of a chain of links. The development is combinatorial in nature and demonstrates yet another application of the principle of inclusion-exclusion. (Received September 18, 2006)