# Assignment 5

An m x ***n* matrix** is a rectangular array containing *m* rows and *n* columns. The usual storage structure for matrices is thus quite naturally a two-dimensional array especially since arrays are provided in nearly every programming language.

**In** some applications, however (e.g., in solving differential equations), it is

Necessary to process very large matrices having few nonzero entries. Using a two-dimensional array to store all the entries (including zeros) of such **sparse matrices** is not very efficient. They can be stored more efficiently using a linked structure analogous to that for sparse polynomials.

Lists in which the elements are allowed to be lists are called **generalized list.**

Implement it using Generalized list.

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