

1075-20-181 **Liudmila Sabinina*** (liudmila@uaem.mx), Facultad de Ciencias, UAEM, av.Universidad 1001,
62209 Cuernavaca, Morelos, Mexico. *Graphs and non-associative algebra*. Preliminary report.

Recently the construction of Cayley graphs for loops by Sabidussi and Mwambene was applied to study some problems in Graph Theory. We would like to develop further this direction. (Received August 29, 2011)