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uniformly locally finite graph

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A is a <http://planetmath.org/LocallyFiniteGraph> locally finite graph (V, E) such that there exists an $M \in \mathbb{N}$ such that for every $x \in V$ we have that the degree of x , also denoted $\rho(x)$, is at most M . In other words there exists an $M \in \mathbb{N}$ such that for every $x \in V$, $\rho(x) \leq M$.

Note that the examples provided in <http://planetmath.org/LocallyFiniteGraph> locally finite graph are also examples of a uniformly locally finite graph since both graphs are <http://planetmath.org/RegularGraph> regular and have finite <http://planetmath.org/Degree7> degree at each vertex.