1067-05-43 **Tyler Seacrest\*** (s-tseacre@math.unl.edu), University of Nebraska, Department of Mathematics, 203 Avery Hall, Lincoln, NE 68588-0130, and **Stephen G. Hartke** (hartke@math.unl.edu), University of Nebraska, Department of Mathematics, 203 Avery Hall, Lincoln, NE 68588-0130. Large 1-factorizable subgraphs.

Assume G is a graph on n vertices, n even, with minimum degree n/2. Katerinis, and later Egawa and Enomoto, proved that G has a k-factor for some k at least n/4. Is it possible to get a similar result for edge-disjoint 1-factors instead? As Katerinis points out, the best known result in this direction follows from the work of Nash-Williams, gives that G has at least n/23 edge-disjoint one-factors.

Our contribution is that if G has minimum degree n/2 + o(n), then it has k edge-disjoint 1-factors for some k at least n/8. Furthermore, if n is a perfect square, then G has k edge-disjoint 1-factors for k = n/4 - o(n). (Received June 12, 2010)