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Bela Csaba*, School of Mathematics, University of Birmingham, Birmingham, B15 2TT, England. *An Ore-type packing problem*. Preliminary report.

Let G and H be two graphs on n vertices. Let $\theta(G) = \max_{xy \in E(G)} \{deg_G(x) + deg_G(y)\}$, the Ore-degree of G . Let $\Delta(H)$ be the maximum degree of H . A theorem of Kostochka and Yu states that if $\theta(G)\Delta(H) < n$ then there is an edge-disjoint placement of G and H into K_n . We show a strengthening of the above in a special case: if $\theta(G) \leq 5$, $\Delta(H) \leq n/4$ and n is sufficiently large, then there is an edge-disjoint placement of G and H into K_n . (Received July 30, 2011)