1096-VN-2630 **Ellen K Sparks*** (esparks89@att.net), Department of Mathematics, St. Anne Community High School, 650 W Guertin St, St. Anne, IL 60964, and **Adriana Arias**, **Ryan C. Bunge**, **Maira Carmona Herrera**, **Saad I El-Zanati** and **Uthoomporn Jongthawonwuth**. *On cyclic decompositions of $K_{n-1,n-1} + I$ into a 2-regular graph with at most 2 components.*

Let G with n edges be a 2-regular bipartite graph with one or two components. We show that there exists a cyclic G-decomposition of the complete bipartite graph $K_{n-1,n-1} + I$, where I is a 1-factor. (Received September 17, 2013)