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The Ramsey numbers $R(K_3, K_8 - e)$ and $R(K_3, K_9 - e)$.

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Summary: "We give a general construction of a triangle-free graph on $4p$ points whose complement does not contain $K_{p+2} - e$ for $p \geq 4$. This implies that the Ramsey number $R(K_3, K_k - e) \geq 4k - 7$ for $k \geq 6$. We also present a cyclic triangle-free graph on 30 points whose complement does not contain $K_9 - e$. The first construction gives lower bounds equal to the exact values of the corresponding Ramsey numbers for $k = 6$, 7 and 8. The upper bounds are obtained by using computer algorithms. In particular we obtain two new values of Ramsey numbers $R(K_3, K_8 - e) = 25$ and $R(K_3, K_9 - e) = 31$, the bounds $36 \leq R(K_3, K_{10} - e) \leq 39$, and the uniqueness of extremal graphs for Ramsey numbers $R(K_3, K_6 - e)$ and $R(K_3, K_7 - e)$."