1001-03-66 **Richard A. Shore*** (`shore@math.cornell.edu`), Department of Mathematics, Cornell University, Ithaca, NY 14853. *The low_n and low_m r.e. degrees are not elementarily equivalent.*
Jockusch, Li and Yang (TAMS 356 (2004), 2557-2568) showed that the Low_n and Low_1 r.e. degrees are not elementarily equivalent for $n > 1$. We answer a question they raise by using the results of Nies, Shore and Slaman (PLMS (3) 77 (1998), 241-291) to show that the Low_n and Low_m r.e. degrees are not elementarily equivalent for $n > m > 1$. (Received August 05, 2004)