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Mizan Rahman* (mrahman@math.carleton.ca), Colonel By Dr., Ottawa, ON. K1S 5B6, Canada, Ottawa, Ontario K1S 5B6, Canada. *A Koornwinder-type addition formula for parameter-free q -Racah polynomials.*

We give an elementary derivation of the product formula for the 4-parameter q -Racah polynomials, then use this formula to obtain an addition formula similar to Koornwinder's addition formula for the little q -Legendre polynomials. We also indicate how to extend this formula to the nonterminating case. (Received September 07, 2012)