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	Nota di contenuto	1. Introduction -- 2. Basic Concepts -- 3. Dimension One -- 4. Regular Sequences -- 5. R+ is Cohen-Macaulay in Positive Characteristic -- 6. Applications -- References -- A property of the Frobenius map of a polynomial ring -- A note on the variety of pairs of matrices whose product is symmetric -- Combinatorics of symbolic Rees algebras of edge ideals of clutters -- Reconciling Riemann-Roch results -- Hilbert functions of Cohen-Macaulay local rings -- Introduction -- 1. Basic facts -- 2. Superficial elements -- 3. 1-dimensional local Cohen-Macaulay rings -- 4. Hilbert coefficients and classical bounds -- 5. Hilbert Functions of Artinian Gorenstein rings -- References -- Some homological properties of almost Gorenstein rings.