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Autore	Butler Ricky W.
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Sommario/riassunto	This paper describes a bitvectors library that has been developed for PVS. The library defines a bitvector as a function from a subrange of the integers into (0,1). The library provides functions that interpret a bitvector as a natural number, as a 2's complement number, as a vector of logical values and as a 2's complement fraction. The library provides a concatenation operator and an extractor. Shift, extend and rotate operations are also, defined. Fundamental properties of each of these operations have been proved in PVS.