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Autore	Shi Jian-Yi <1948->
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Nota di contenuto	Coxeter groups, Hecke algebras and their representations -- Applications of Kazhdan-Lusztig theory -- Geometric interpretations of the Kazhdan-Lusztig polynomials -- The algebraic descriptions of the affine Weyl group A_n of type \tilde{A}_{n-1} , $n > 2$ -- The partition of n associated with an element of the affine Weyl group A_n -- A geometrical description of the affine Weyl group A_n -- Admissible sign types of rank n -- Iterated star operations and interchanging operations on blocks -- The subset $C(w)$ of the affine Weyl group A_n -- The set N of normalized elements of $C(w)$ -- The orbit space \tilde{A}_n of the affine Weyl group A_n -- The sequence (w, k) beginning with an element of N -- Raising operations on layers -- The left and right cells in $C(w)$ -- $C(w)$ is an rl -equivalence class of A_n -- Left cells are characterized by the generalized right ϕ -invariant -- The two-sided cells of the affine Weyl group A_n -- Some properties of cells and other equivalence classes of A_n -- Some special kinds of sign types -- The inserting algorithm on the set C -- The restriction of the map on p, n .