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We give a geometric interpretation of an algorithm of Deodhar to calculate Kazhdan-Lusztig polynomials. Roughly, for a given Schubert variety in a generalized flag manifold G/B , one takes any Bott-Samelson desingularization, and calculates the motivic Chern class for any union of Bott-Samelson strata. This yields a class in the K theory of the Bott-Samelson variety. One pushes forward this class to the K theory of G/B and extends it into the basis consisting of motivic Chern classes of Schubert cells. The coefficients of this expansion are certain polynomials in a variable q , and various choices of Bott-Samelson strata yield polynomials interpolating between the Poincare polynomials of the Bott-Samelson fibres and the Kazhdan-Lusztig polynomials. This results in a geometric interpretation of results by Deodhar, described earlier in terms of the Hecke algebra. Based on ongoing joint work with Camron Withrow and on previous work with Paolo Aluffi, Jorg Schurmann and Changjian Su. (Received September 01, 2019)