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Character formulas of Kazhdan-Lusztig type

In the first part I will give a survey of results by Andersen-Jantzen-Soergel, Kazhdan-Lusztig, Kashiwara- Tanisaki, which simultaneously solved Kazhdan-Lusztig type conjectures for (1) affine Lie algebras, (2) quantized enveloping algebras at roots of unity, (3) reductive algebraic groups in (large) positive characteristics. In the second part I will give a detailed account on my joint work with Kashiwara concerning Kazhdan- Lusztig type conjecture for affine Lie algebras.