## Corrigendum

# Corrigendum to "Crystal $B(\lambda)$ as a subset of crystal $B(\infty)$ expressed as tableaux for $A_{n}$ type" [J. Algebra 400 (2014) 142-160] 

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## A R T I C L E I N F O

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## A B S T R A C T

We make corrections to certain comments concerning related works that appeared in the paper given by the above title.
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The two sentences spanning the lines 38,39 , and 40 of page 143 , contained in the introduction section, present information which is somewhat problematic. This error is due to misunderstandings of the author and the sentences should be replaced by the following.

The works [C1,C2,C3,C4] provide various descriptions of $B(\infty)$ and the $*$-crystal structures on them in an explicit manner. The matrix form descriptions given in [C3,C4] are essentially identical to the marginally large tableau description [3] of $B(\infty)$. Various isomorphisms among the descriptions of [C1, C2, C3, C4] and [3] can be found in $[\mathrm{C} 4, \mathrm{C} 5]$. Since $B(\lambda)$ has been realized $[8,16]$ as a sub-crystal of $B(\infty) \otimes \mathrm{T}_{\lambda}$ in terms of the $\varepsilon_{i}^{*}$ values, it is possible to obtain descriptions of $B(\lambda)$ corresponding to the results of $[\mathrm{C} 1, \mathrm{C} 2, \mathrm{C} 3, \mathrm{C} 4]$. The isomorphisms of $[\mathrm{C} 4, \mathrm{C} 5]$ may then be used to

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translate these into a description of $B(\lambda)$ concerning marginally large tableaux. This is how the results of our current paper may be obtained through a different approach.

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## References

[C1] J. Kamnitzer, The crystal structure on the set of Mirković-Vilonen polytopes, Adv. Math. 215 (1) (2007) 66-93.
[C2] M. Kashiwara, Y. Saito, Geometric construction of crystal bases, Duke Math. J. 89 (1) (1997) 9-36.
[C3] M. Reineke, On the coloured graph structure of Lusztig's canonical basis, Math. Ann. 307 (4) (1997) 705-723.
[C4] Y. Saito, Mirković-Vilonen polytopes and a quiver construction of crystal basis in type A, Int. Math. Res. Not. 2012 (17) (2012) 3877-3928.
[C5] A. Savage, Geometric and combinatorial realizations of crystals of enveloping algebras, in: Lie Algebras, Vertex Operator Algebras and Their Applications, in: Contemp. Math., vol. 442, Amer. Math. Soc., Providence, RI, 2007, pp. 221-232.

