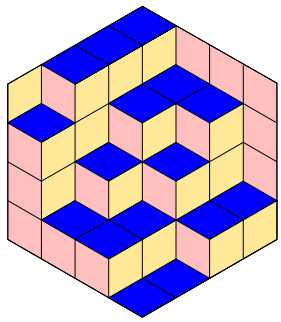

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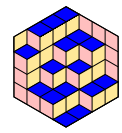

Corrigendum: A Demazure crystal construction for Schubert polynomials

Sami Assaf & Anne Schilling

Abstract We give a corrigendum to our paper [4] entitled "A Demazure crystal construction for Schubert polynomials".

1. Introduction

We provide a corrigendum to our paper [4], which cites preprint [1] for various definitions and results in [4, Section 5.2]. Preprint [1] was withdrawn from the arXiv, hence we point here to the correct published citations for the definitions and results needed in [4].

2. Reference pointers for [4, Section 5.2]

Lift map: The lift map in [4, Section 5.2] needs to be replaced by the lift map in [2, Definition 4.22].

Drop map: The drop map in [4, Section 5.2] needs to be replaced by the drop map in [2, Definition 4.9].

Weak Edelman–Greene insertion:

- The definition [4, Definition 5.6] should cite [2, Definition 5.6]. The property that the column sorting map ϕ satisfies $\phi(\hat{Q}(\rho)) = Q(\rho)$, where ρ is a reduced expression, $\hat{Q}$ is the recording tableau of weak Edelman–Greene insertion and Q is the recording tableau of Edelman-Greene insertion follows from [2, Theorems 5.4 and 5.11]. The reference to [3, Theorem 3.24] in the proof of [2, Theorem 5.11] should be [3, Theorem 2.21].
- The result [4, Theorem 5.7] is [2, Corollary 5.12].
- The citation [1, Theorem 2.4] in the proof of [4, Corollary 5.8] is [2, Proposition 2.6].
- The result [4, Corollary 5.9] is [2, Corollary 4.24].

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Keywords. Schubert polynomials, Demazure characters, Stanley symmetric functions, crystal bases.

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[2] Sami Assaf, *A generalization of Edelman-Greene insertion for Schubert polynomials*, Algebr. Comb. **4** (2021), no. 2, 359–385, https://doi.org/10.5802/alco.160.

[3] Sami Assaf, *Weak dual equivalence for polynomials*, Ann. Comb. **26** (2022), no. 3, 571–591, https://doi.org/10.1007/s00026-022-00575-6.

[4] Sami Assaf and Anne Schilling, *A Demazure crystal construction for Schubert polynomials*, Algebr. Comb. **1** (2018), no. 2, 225–247, https://doi.org/10.5802/alco.13.

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