

1112-05-478

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We prove a conjectural bijection by bin Mohammad between tensor products of certain Kirillov–Reshetikhin crystals and rigged configurations and extend it to affine types satisfying certain conditions. Moreover, we give an extension of the bijection given by Okado and Sano to  $\bigotimes_{i=1}^N B^{r_i,1}$  in type  $E_6^{(1)}$  and for certain  $r_i$  in type  $E_7^{(1)}$ . (Received August 10, 2015)