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ERRATUM

Erratum to: Discussions on Hirsch Conjecture and Existence of Strongly Polynomial-time Simplex Variants

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In the original published version of this article, several errors are unfortunately found. The illustrations and corrections of these errors are listed as below:

1. Title
   Discussions on Hirsch Conjecture and The Existence of Strongly Polynomial: Time Simplex Variants
   Correction:
   Discussions on Hirsch Conjecture and Existence of Strongly Polynomial-time Simplex Variants
2. The row of Example 4.1 in page 59:
   Example 4.1. Given ${}^0\boldsymbol{g} = -\boldsymbol{b}^T = (-4, -1, -4, -6, -2)$, $F_0 = (7, 4, 7, 6, 5) \in$
   Correction:
   Example 4.1. Given ${}^0\boldsymbol{g} = -\boldsymbol{b}^T = (-4, -1, -4, -6, -2)$, $F_0 = (7, 4, 7, 9, 5) \in$
3. The rows from second row to fifth row, under the tableau in page 66:
   $k = 0$. $\Delta = \varnothing$, there is no door at $F_0 = (7, 4, 7, 6, 5)$, go to Step 3,

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Step 3 Getting next stage point and the door cone C_1:

$$F_1 = F_{k+1} = NextStagePoint(F_k, \underline{\boldsymbol{g}}_{\downarrow\ldots(k)}) = NextStagePoint(F_0, {}^0\boldsymbol{g}) = (3, 3, 3, 3);$$

Correction:
$k = 0.\Delta = \varnothing$, there is no door at $F_0 = (7, 4, 7, 9, 5)$, go to Step 3,
Step 3 Getting next stage point and the door cone C_1:

$$F_1 = F_{k+1} = NextStagePoint(F_k, \underline{\boldsymbol{g}}_{\downarrow\ldots(k)}) = NextStagePoint(F_0, {}^0\boldsymbol{g}) = (3, 3, 3, 3, 3);$$