Correction to:

On Star Height Hierarchies of Context-free Languages

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The following changes should be made in order to correct and to simplify the paper [1]. In Section 3 "Depth" should be replaced by "Cycl" and the second part of the second sentence should read: "... $A_1, ..., A_n$ such that for $1 \le i < n$ (i = n) there are words $u_i, v_i(u_n, v_n)$ such

that $A_i \rightarrow u_i A_{i+1} v_i$ $(A_n \rightarrow u_n A_1 v_n)$ is in P." Section 4 should be ommitted.

In Section 6 the end of the second paragraph: "The inspection ... it follows." should be replaced by the following text:

"The same was shown in [7] for substitution expressions. A detailed inspection of these constructions reveals unmediately that $\operatorname{Cycl}(L) \le \operatorname{sh}_{c}(L) \le \operatorname{sh}_{c}(L) \le \operatorname{Var}(L)$ for each CFL L.

It is easy to verify that in [4] Theorem 4.2 and its proof remain correct if the word "Depth" is replaced by "Cycl". After these modifications Theorem 4.2 says that for each integer n there is a CFL $L_n \subset \{a,b\}^*$ such that Cycl $(L_n) = \text{Var}(L_n)$. From that and from the preceding inequality the following theorem follows immediately. (From that it also follows that the following theorem remains correct if "sh_e" is replaced by "sh_s". Similarly the theorem 5 and its proof and Corollary 6 remain correct if "sh_e" is replaced by "sh_s".)"

Once these changers are done, the results of Section 4 are included in the results of Section 6.

 J. Gruska: On star height hierarchies of context-free languages. Kybernetika 9 (1973), 4, 231-236.