

$$\cdots \longrightarrow MC_{k_1, l_1}(G) \otimes MC_{k_2, l_2}(H) \xrightarrow{\partial \otimes \partial} (MC_{k_1-1, l_1}(G) \otimes MC_{k_2, l_2}(H)) \oplus (MC_{k_1, l_1}(G) \otimes MC_{k_2-1, l_2}(H)) \longrightarrow \cdots$$

$$\begin{array}{ccccccc} & & \square & & \circlearrowleft & & \square \\ & & \downarrow & & \downarrow & & \downarrow \\ \cdots & \xrightarrow{\hspace{1cm}} & MC_{k, l}(G\square H) & \xrightarrow{\hspace{1cm}} & MC_{k-1, l}(G\square H) & \xrightarrow{\hspace{1cm}} & \cdots \end{array}$$

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