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238	Quantization of Lie bialgebras and shuffle algebras of Lie algebra
Selecta Mathematica	B. Enriquez
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age 66:	
Define $m_F$	$F^{(n)}$ as the unique linear map from $F^{(n)} \otimes F^{(n)}$ to $F^{(n)}$ , such that for
any $(\underline{s},\underline{t},\phi)$ a	$\operatorname{nd}\left(\underline{s}',\underline{t}',\phi'\right)$ in $P_n$ , we have
222	$_{F(n)}\left(z(\underline{s},\underline{t},\phi)\otimes z(\underline{s'},\underline{t'},\phi')\right)=\sum_{s}$
$m_I$	$z_{(n)}(z(\underline{s},\underline{t},\phi)\otimes z(\underline{s}',\underline{t}',\phi')) = \sum_{(c_1,c_1')\in M_{t_1,s_1'},\ldots,(c_n,c_n')\in M_{t_n,s_n'}} $
	$(z_1,z_1,z_1,\ldots,z_n)$
A construc	ction analogous to that of Appendix B shows the following:
	ction analogous to that of Appendix B shows the following: C.1. $(F^{(n)}, m_{F^{(n)}})$ is an associative algebra.