Exercise 5.22.	[202] Let F be a field; given $\alpha \neq 0$ and $h \in \mathbb{N}$	consider
the recursive def	finition of exponentiation $\alpha^h$ defined from $\alpha^0$	= 1 and
$\alpha^{(n+1)} = \alpha^n \cdot \alpha,$	; then prove that $\alpha^{h+k} = \alpha^h \alpha^k$ and $(\alpha^h)^k = \alpha^h \alpha^k$	$\alpha^{(hk)}$ for
every $k, h \in \mathbb{N}$ .	-	-

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