

**Direct Products 9**

 For  $I, I_h$ 

	A	T <sub>1</sub>	T <sub>2</sub>	G	H
A	A	T <sub>1</sub>	T <sub>2</sub>	G	H
T <sub>1</sub>		A + [T <sub>1</sub> ] + H	G + H	T <sub>2</sub> + G + H	T <sub>1</sub> + T <sub>2</sub> + G + H
T <sub>2</sub>			A + [T <sub>2</sub> ] + H	T <sub>1</sub> + G + H	T <sub>1</sub> + T <sub>2</sub> + G + H
G				A + [T <sub>1</sub> + T <sub>2</sub> ] + G + H	T <sub>1</sub> + T <sub>2</sub> + G + 2H
H					A <sub>1</sub> + [T <sub>1</sub> + T <sub>2</sub> + G] + G + 2H