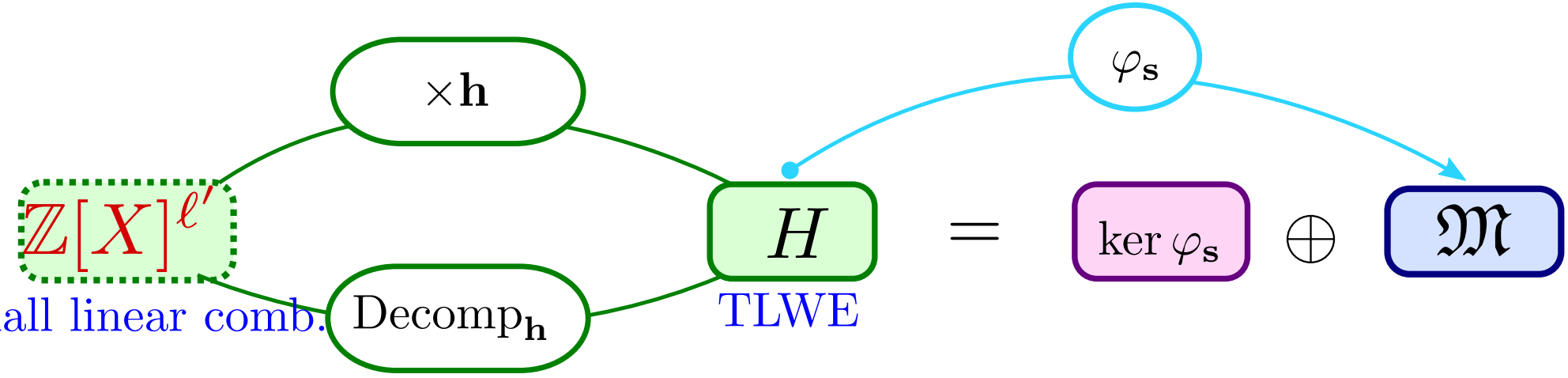

TLwe(b)	$\mathbb{T}[X]$	$c_b = z + (\mathbf{0}, b)$
TGsw(A)	$\mathbb{Z}[X]$	$\mathbf{C_A} = \mathbf{Z} + A.\mathbf{h}$

New external $\mathbf{C_A} \boxdot c_b = \mathrm{Decomp}_{\mathbf{h}}(c_b).\mathbf{C_A}$

is a TLwe ciplertext of $A.b$

Classical internal $\mathbf{C_A} \boxtimes \mathbf{C_B} = \mathrm{Decomp}_{\mathbf{h}}(\mathbf{C_B}).\mathbf{C_A}$

is a TGsw ciplertext of $A.B$