

(*Splitter $\mathbb{B} \otimes \mathbb{A}$ *)

$\mathbf{SY}_{i \rightarrow j, k, l, m} := \mathbb{E}_{\{i\} \rightarrow \{j, k, l, m\}} [$

$\text{Sum}[\eta[r, s]_i y[r, s]_j + \xi[r, s]_i x[r, s]_m, \{r, 1, \$n - 1\}, \{s, r + 1, \$n\}] +$

$\text{Sum}[\alpha[r]_i a[r]_l + \beta[r]_i b[r]_k, \{r, 1, \$n - 1\}], \text{Sequence} @@ \text{ConstantArray}[0, \$k]$

$]$