

[b]

	Signals		Processes
	one-sided	two-sided	
Moore machines (Moo)	$\mathbb{N} \rightarrow \mathbf{A}$	$\mathbb{Z} \rightarrow \mathbf{A}$	$\begin{cases} \text{dyn} : \mathbf{U} \rightarrow \mathbf{End}(\mathbf{X}) \\ \text{ro} : \mathbf{X} \rightarrow \mathbf{Y} \end{cases}$
More machines (Mor)	\mathbf{A}^*	\mathbf{A}^\star	$\begin{cases} \text{dyn} : \mathbf{U} \rightarrow \mathbf{End}(\mathbf{X}) \\ \text{ro} : \mathbf{X} \rightarrow \mathbf{Y}^* \end{cases}$
event-based (EB)	$(\mathbb{N} \times \mathbf{A})^*$	$(\mathbb{N} \times \mathbf{A})^\star$	$\begin{cases} \text{dyn} : (\mathbb{N} \times \mathbf{U}) \rightarrow \mathbf{End}(\mathbf{X}) \\ \text{ro} : \mathbf{X} \rightarrow (\mathbb{N} \times \mathbf{Y})^* \end{cases}$
continuous (DS)	$\mathbb{R}_{\geq 0} \rightarrow \mathbf{A}$	$\mathbb{R} \rightarrow \mathbf{A}$	$\begin{cases} \text{dyn} : \mathbf{U} \rightarrow \mathbf{VF}(\mathbf{X}) \\ \text{ro} : \mathbf{X} \rightarrow \mathbf{Y} \end{cases}$