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File Templates View Querie	s Options Help	
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System Editor Simulator V	enfier	
Drag out	/*	
🔄 train-gate	* For more details about this example, see	
Global declarations FI-SS Train	* "Automatic Verification of Real-Time Communication * by Wang Vi Paul Pettersson and Mats Daniels In	ng Systems by Constraint Solving", Proceedings of the 7th International
🕀 🖏 Gate	* Conference on Formal Description Techniques, page	es 223-238, North-Holland. 1994.
⊞ SintQueue	*/	
System definition		
	const N = 5; // # trains + 1 int[0.N] el:	Constants
	chan appr, stop, go, leave;	Downdod integor
	chan empty, notempty, hd, add, rem;	Bounded integers
train-gate	clock x;	Channels
□ - S Train		Clocks
 Declarations 		CIUCKS
train-gate	<pre>int[0,N] list[N], len, i;</pre>	Arrays
E S Train		
Declarations		
E S IntOueue		Templates
Declarations		Processes
Process assignments	Train1:=Train(el, 1);	1100003003
System definition	Train2:=Train(el, 2);	Systems
	Train3:=Train(el, 3);	
	Train4:=Train(el. 4):	















































Advanced Features	
 Priorities on channels chan a,b,c,d[2],e[2]; chan priority a,d[0] < default < b,e Priorities on processes system A < B,C < D; Functions C-like functions with return values 	
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