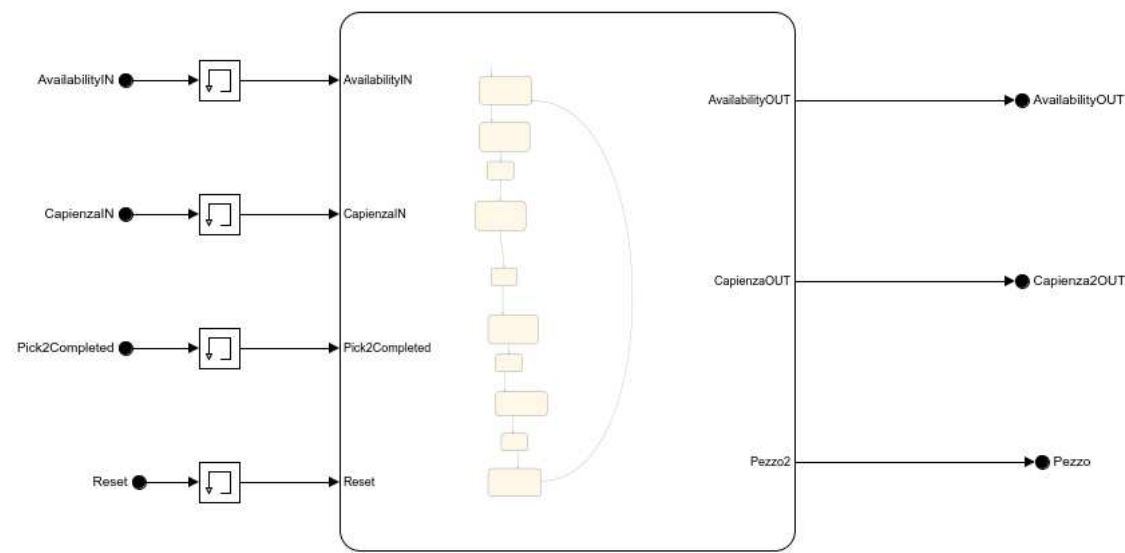


Scatola2



scarcia

27-Mar-2020 09:53:31

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Model - Scatola2

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Full Model Hierarchy

- [Scatola2](#)

Simulation Parameter	Value
Solver	VariableStepAuto
RelTol	1e-3
Refine	1
MaxOrder	5
ZeroCross	on

[\[more info\]](#)

Machine - Scatola2

Machine	Scatola2
Charts	Chart9

[\[more info\]](#)

System - Scatola2

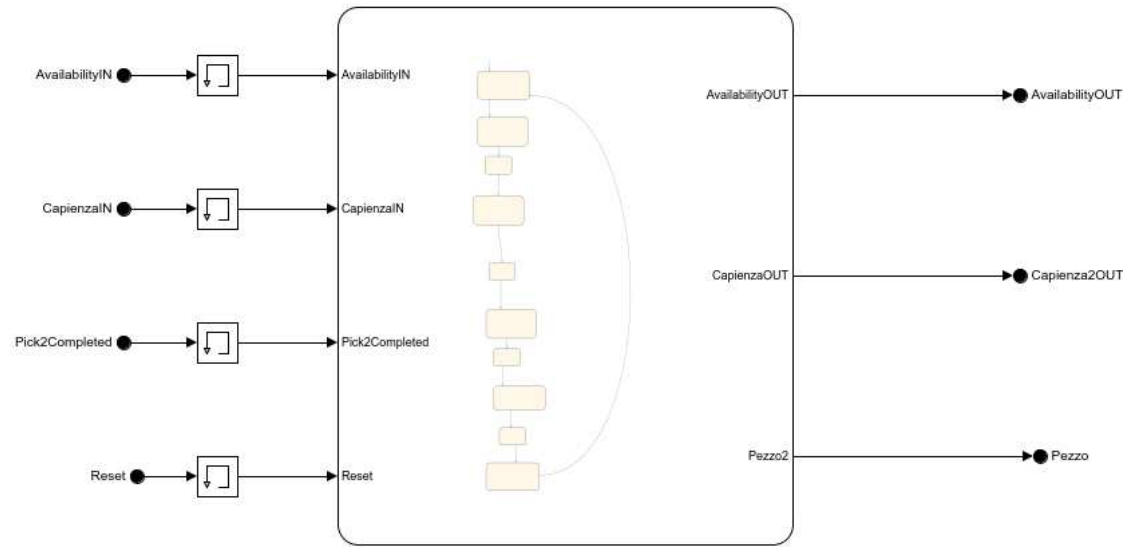


Tabella 1. Chart Block Properties

Name	Chart
Chart9	Chart9

Tabella 2. Inport Block Properties

Name	Port	Defined In Blk
Bus Element In1	1	Scatola2 (model)
Bus Element In2	4	Scatola2 (model)
Bus Element In3	2	Scatola2 (model)
Bus Element In4	3	Scatola2 (model)

Tabella 3. Memory Block Properties

Name	Inherit Sample Time	Linearize Memory	Linearize As Delay	State Storage Class
Memory	off	off	off	Auto
Memory1	off	off	off	Auto
Memory2	off	off	off	Auto
Memory3	off	off	off	Auto

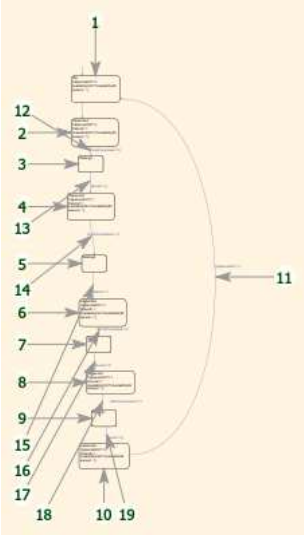
Tabella 4. Outport Block Properties

Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Output Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Un Connected	Output When Unconnected Value	Vector Params As 1DFor Out When Unconnected
Bus Element Out1	1	Capienza2OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Bus Element Out2	2	AvailabilityOUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Bus Element Out3	3	Pezzo	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

Chart - Chart9

Chart	Scatola2/Chart9
States	Idle Capienza4 Waiting3 Capienza3 Waiting2 Capienza2 Waiting Capienza1 Waiting1 Capienza0

Transitions	DefaultTransition10 [CapienzaIN==1] Transition29 [Pick2Completed==1] [Reset==1] [Pick2Completed==1] [Reset==1] [Pick2Completed==1] [Reset==1] [Pick2Completed==1] [Reset==1]
Data	AvailabilityIN CapienzaIN Pick2Completed Reset AvailabilityOUT CapienzaOUT Pezzo2



- (1) [Idle](#)
- (2) [Capienza4](#)
- (3) [Waiting3](#)
- (4) [Capienza3](#)
- (5) [Waiting2](#)
- (6) [Capienza2](#)
- (7) [Waiting](#)
- (8) [Capienza1](#)
- (9) [Waiting1](#)
- (10) [Capienza0](#)
- (11) [CapienzaIN==1]
- (12) [Pick2Completed==1]
- (13) [Reset==1]
- (14) [Pick2Completed==1]
- (15) [Reset==1]
- (16) [Pick2Completed==1]
- (17) [Reset==1]
- (18) [Pick2Completed==1]
- (19) [Reset==1]

Stateflow Hierarchy

- 1. [Scatola2](#)

[Chart9](#)

- 1.1.1. Data: [AvailabilityIN](#), [CapienzaIN](#), [Pick2Completed](#), [Reset](#), [AvailabilityOUT](#), [CapienzaOUT](#), [Pezzo2](#)
- 1.1.2. Transition: [CapienzaIN==1], DefaultTransition10, Transition29, [Pick2Completed==1], [Reset==1], [Pick2Completed==1], [Reset==1], [Pick2Completed==1], [Reset==1]
- 1.1.3. [Capienza4](#)
- 1.1.4. [Waiting3](#)
- 1.1.5. [Capienza3](#)
- 1.1.6. [Waiting2](#)
- 1.1.7. [Capienza2](#)
- 1.1.8. [Waiting](#)
- 1.1.9. [Capienza1](#)

- 1.1.10. [Waiting1](#)
- 1.1.11. [Capienza0](#)
- 1.1.12. [Idle](#)

OR State	Scatola2/Chart9/Idle
Label	Idle CapienzaOUT=4; AvailabilityOUT=AvailabilityIN; pause(0.1);
OR State	Scatola2/Chart9/Capienza4
Label	Capienza4 CapienzaOUT=4; Pezzo2=1; AvailabilityOUT=AvailabilityIN; pause(0.1);
OR State	Scatola2/Chart9/Waiting3
Label	Waiting3
OR State	Scatola2/Chart9/Capienza3
Label	Capienza3 CapienzaOUT=3; Pezzo2=1; AvailabilityOUT=AvailabilityIN; pause(0.1);
OR State	Scatola2/Chart9/Waiting2
Label	Waiting2
OR State	Scatola2/Chart9/Capienza2
Label	Capienza2 CapienzaOUT=2; Pezzo2=1; AvailabilityOUT=AvailabilityIN; pause(0.1);
OR State	Scatola2/Chart9/Waiting
Label	Waiting
OR State	Scatola2/Chart9/Capienza1
Label	Capienza1 CapienzaOUT=1; Pezzo2=1; AvailabilityOUT=AvailabilityIN; pause(0.1);
OR State	Scatola2/Chart9/Waiting1
Label	Waiting1
OR State	Scatola2/Chart9/Capienza0
Label	Capienza0 CapienzaOUT=0; Pezzo2=0; AvailabilityOUT=AvailabilityIN; pause(0.1);

Appendix

Tabella 5. Block Type Count

BlockType	Count	Block Names
Memory	4	Memory , Memory1 , Memory2 , Memory3
Inport	4	Bus Element In1 , Bus Element In2 , Bus Element In3 , Bus Element In4
Outport	3	Bus Element Out1 , Bus Element Out2 , Bus Element Out3
Chart	1	Chart9

Tabella 6. Count:[Scatola2](#)

Count	Count	Objects
		DefaultTransition10, [CapienzaIN==1], Transition29, [Pick2Completed==1],

Transition	11	[Reset==1], [Pick2Completed==1], [Reset==1], [Pick2Completed==1], [Reset==1], [Pick2Completed==1], [Reset==1]
State	10	Idle , Capienza4 , Waiting3 , Capienza3 , Waiting2 , Capienza2 , Waiting , Capienza1 , Waiting1 , Capienza0
Data	7	AvailabilityIN , CapienzaIN , Pick2Completed , Reset , AvailabilityOUT , CapienzaOUT , Pezzo2
Target	1	sfun
Machine	1	Scatola2
Chart	1	Chart9

Tabella 7. Data Properties

Name	Parent	Data Type
AvailabilityIN	Chart9	Inherit: Same as Simulink
AvailabilityOUT	Chart9	Inherit: Same as Simulink
CapienzaIN	Chart9	Inherit: Same as Simulink
CapienzaOUT	Chart9	Inherit: Same as Simulink
Pezzo2	Chart9	Inherit: Same as Simulink
Pick2Completed	Chart9	Inherit: Same as Simulink
Reset	Chart9	Inherit: Same as Simulink
Target	Scatola2/sfun	
Description	Default Simulink S-Function Target.	