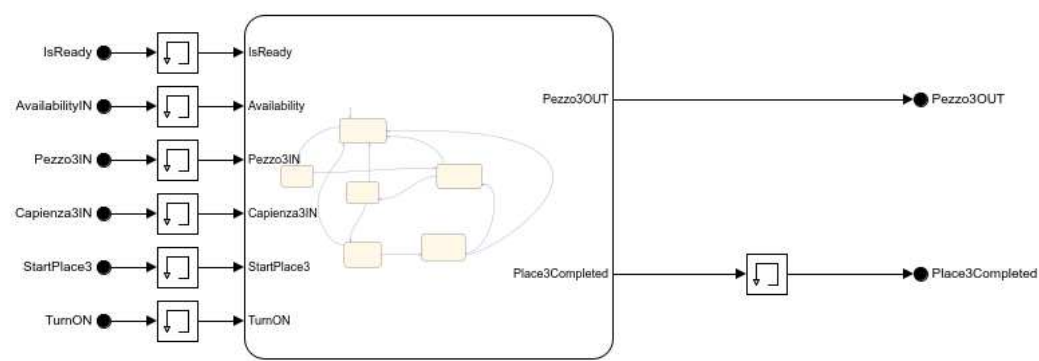


Place3



scarcia

27-Mar-2020 10:04:06

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- 2. [Inport Block Properties](#)
- 3. [Memory Block Properties](#)
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Model - Place3

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Full Model Hierarchy

- 1. [Place3](#)

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

[\[more info\]](#)

Machine - Place3

Machine	Place3
Charts	Chart

[\[more info\]](#)

System - Place3

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[Chart - Chart](#)

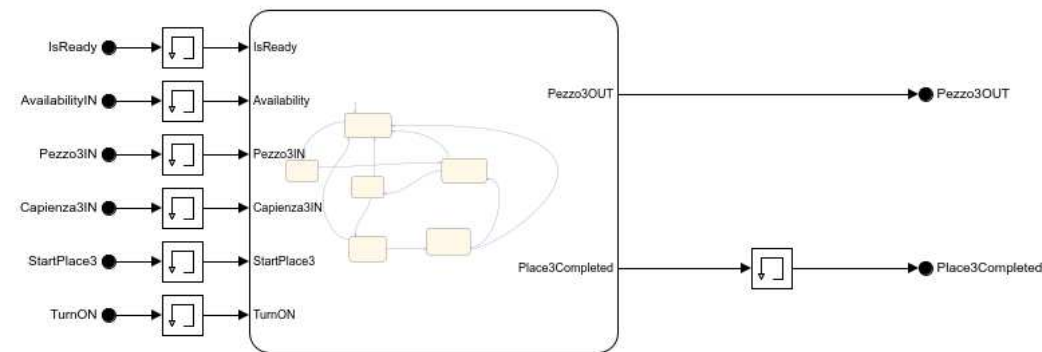


Tabella 1. Chart Block Properties

Name	Chart
Chart	Chart

Tabella 2. Inport Block Properties

Name	Port	Defined In Blk
Bus Element In1	1	Place3 (model)
Bus Element In2	6	Place3 (model)
Bus Element In3	2	Place3 (model)
Bus Element In4	3	Place3 (model)
Bus Element In5	4	Place3 (model)
Bus Element In6	5	Place3 (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
Memory4	off	off	off	Auto
Memory5	off	off	off	Auto
Memory6	off	off	off	Auto

Tabella 4. Outport Block Properties

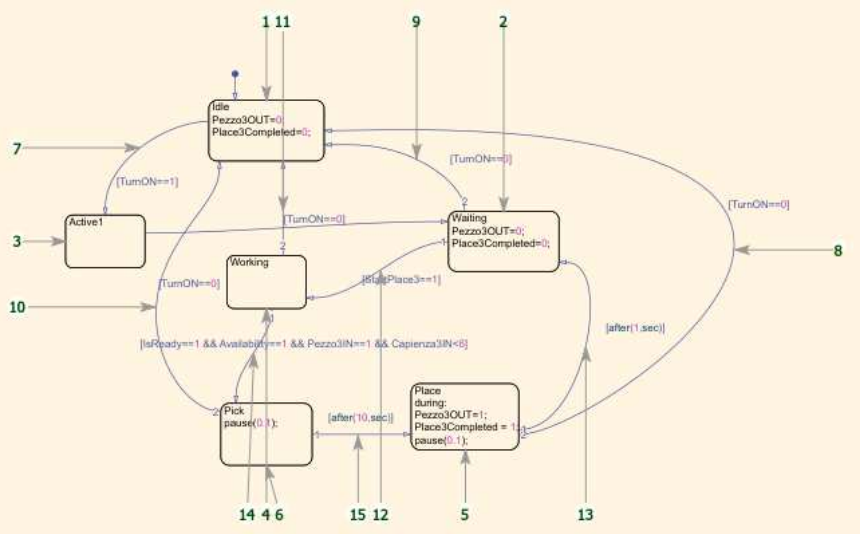
Name	Port	Port Name	Is Bus Element Port	Storage Class	Icon Display	Lock Scale	Unit	Var Size Sig	Signal Type	Ensure Output Is Virtual	Source Of Initial Output Value	Output When Disabled	Must Resolve To Signal Object	Output When Unconnected	Output When Unconnected Value	Vector Params As 1DFor Out When Unconnected
Bus Element Out1	1	Pezzo3OUT	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off
Bus Element Out2	2	Place3Completed	on	Auto	Port number	off	inherit	Inherit	auto	off	Dialog	held	off	off	0	off

Chart - Chart

Chart	Place3/Chart
States	Idle Waiting Active1 Working Place Pick
Transitions	DefaultTransition24 [TurnON==1] [TurnON==0] [TurnON==0] [TurnON==0] [TurnON==0] Transition27 [StartPlace3==1] [after(1,sec)] [IsReady==1 && Availability==1 && Pezzo3IN==1 && Capienza3IN<6] [after(10,sec)]

Data

[IsReady](#)
[Availability](#)
[Pezzo3IN](#)
[Capienza3IN](#)
[StartPlace3](#)
[Pezzo3OUT](#)
[Place3Completed](#)
[TurnON](#)



- (1) [Idle](#)
- (2) [Waiting](#)
- (3) [Active1](#)
- (4) [Working](#)
- (5) [Place](#)
- (6) [Pick](#)
- (7) [TurnON==1]
- (8) [TurnON==0]
- (9) [TurnON==0]
- (10) [TurnON==0]
- (11) [TurnON==0]
- (12) [StartPlace3==1]
- (13) [after(1,sec)]
- (14) [IsReady==1 && Availability==1 && Pezzo3IN==1 && Capienza3IN<6]
- (15) [after(10,sec)]

Stateflow Hierarchy

- 1. [Place3](#)

[Chart](#)

- 1.1.1. Data: [IsReady](#), [Availability](#), [Pezzo3IN](#), [Capienza3IN](#), [StartPlace3](#), [Pezzo3OUT](#), [Place3Completed](#), [TurnON](#)
- 1.1.2. Transition: [TurnON==1], DefaultTransition24, [TurnON==0], [TurnON==0], [TurnON==0], [TurnON==0], [TurnON==0], Transition27, [StartPlace3==1], [after(1,sec)], [IsReady==1 && Availability==1 && Pezzo3IN==1 && Capienza3IN<6], [after(10,sec)]
- 1.1.3. [Idle](#)
- 1.1.4. [Waiting](#)
- 1.1.5. [Active1](#)
- 1.1.6. [Working](#)
- 1.1.7. [Place](#)
- 1.1.8. [Pick](#)

OR State	Place3/Chart/Idle
Label	Idle Pezzo3OUT=0; Place3Completed=0;
OR State	Place3/Chart/Waiting
Label	Waiting Pezzo3OUT=0; Place3Completed=0;
OR State	Place3/Chart/Active1
Label	Active1
OR State	Place3/Chart/Working

Label	Working
OR State	Place3/Chart/Place
Label	Place during: Pezzo3OUT=1; Place3Completed = 1; pause(0.1);
OR State	Place3/Chart/Pick
Label	Pick pause(0.1);

Appendix

Tabella 5. Block Type Count

BlockType	Count	Block Names
Memory	7	Memory , Memory1 , Memory2 , Memory3 , Memory4 , Memory5 , Memory6
Inport	6	Bus Element In1 , Bus Element In2 , Bus Element In3 , Bus Element In4 , Bus Element In5 , Bus Element In6
Outport	2	Bus Element Out1 , Bus Element Out2
Chart	1	Chart

Tabella 6. Count:[Place3](#)

Count	Count	Objects
Transition	11	DefaultTransition24, [TurnON==1], [TurnON==0], [TurnON==0], [TurnON==0], [TurnON==0], Transition27, [StartPlace3==1], [after(1,sec)], [IsReady==1 && Availability==1 && Pezzo3IN==1 && Capienza3IN<6], [after(10,sec)]
Data	8	IsReady , Availability , Pezzo3IN , Capienza3IN , StartPlace3 , Pezzo3OUT , Place3Completed , TurnON
State	6	Idle , Waiting , Active1 , Working , Place , Pick
Target	1	sfun
Machine	1	Place3
Chart	1	Chart

Tabella 7. Data Properties

Name	Parent	Data Type
Availability	Chart	Inherit: Same as Simulink
Capienza3IN	Chart	Inherit: Same as Simulink
IsReady	Chart	Inherit: Same as Simulink
Pezzo3IN	Chart	Inherit: Same as Simulink
Pezzo3OUT	Chart	Inherit: Same as Simulink
Place3Completed	Chart	Inherit: Same as Simulink
StartPlace3	Chart	Inherit: Same as Simulink
TurnON	Chart	Inherit: Same as Simulink
Target	Place3/sfun	
Description	Default Simulink S-Function Target.	