

## **Auto arrange for the states for OPD with single Process – User Story**

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~~Link to the project in OPCloud:~~ <https://bit.ly/37sculb>

### **General**

As a modeler, I want a to be able to model a system with ease and with more convenience. That will be achieved by automatically arranging the object states in such a way that the states will always be facing the process

### **Details**

1. Automatically arrange the object states:
  - a. Horizontally, facing the process if the object is positioned directly above or beneath the process
  - b. Vertically, facing the process if the object is positioned next to the process
2. Make sure that the object states have been rearranged automatically after changing the position of the object or the process

### **Acceptance Criteria**

- The object states are automatically arranged upon creation of an object and a process
- The layout of the object states has been updated once the position of the object or the process was changed
- The system is at state on by default and can be turned off

### **OPL**

- No OPL sentence relates to this story

### **Estimation**

# Object States Auto Arranging System

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Description:  
*Final Project Model*

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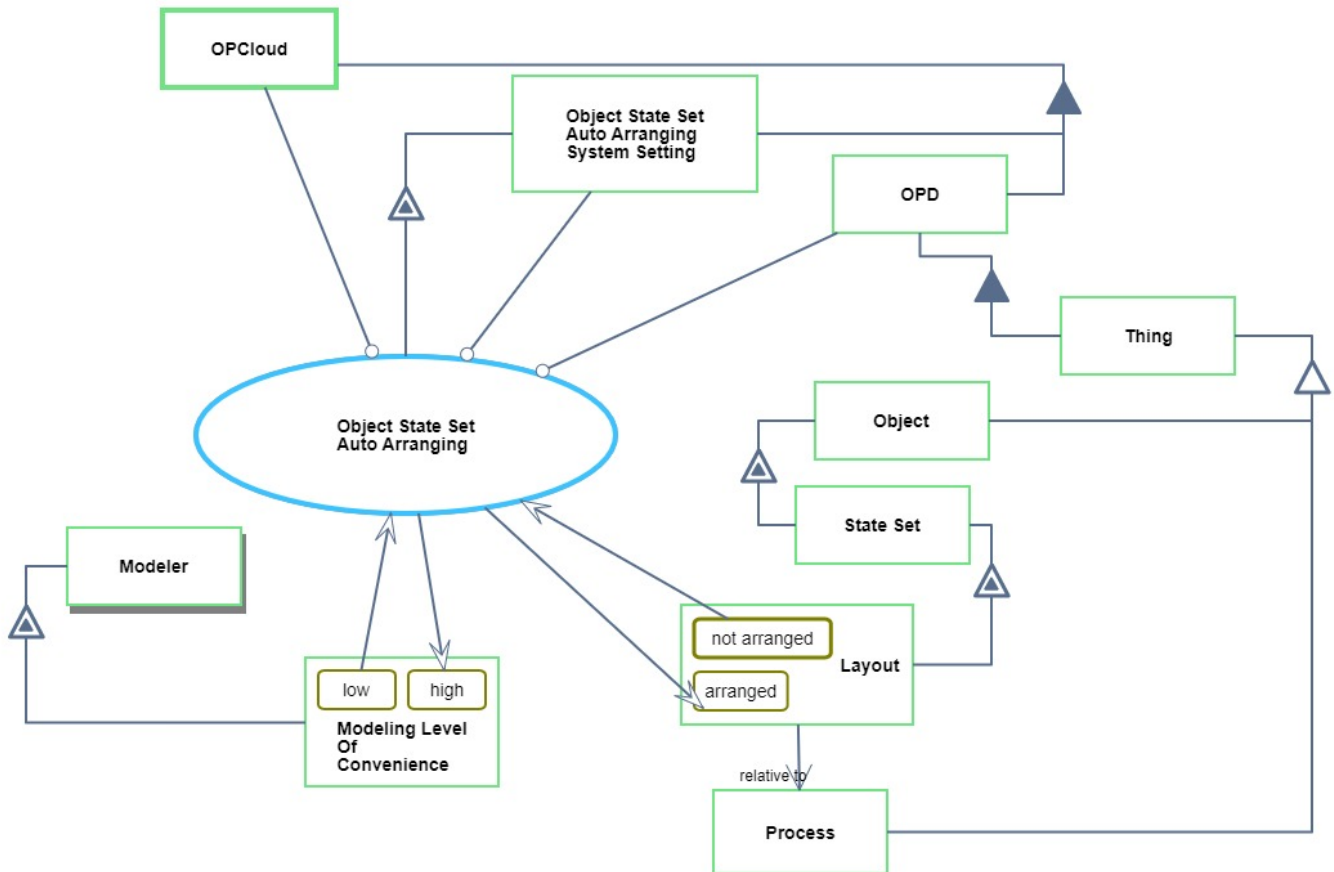
Procedural

Fundamental

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# DIAGRAMS & OPL

SD



Object State Set Auto Arranging System Setting is informatical.

Modeling Level Of Convenience of Modeler can be low or high.

Layout of State Set can be not arranged or arranged. State not arranged is initial.

OPD is informatical.

Object is informatical.

Process is informatical.

OPCloud is informatical.

Thing is informatical.

Modeler exhibits Modeling Level Of Convenience.

State Set exhibits Layout.

Object exhibits State Set.

Layout relative to Process.

Object State Set Auto Arranging System Setting exhibits Object State Set Auto Arranging .

OPCloud consists of OPD and Object State Set Auto Arranging System Setting .

Object and Process are Thing.

OPD consists of Thing.

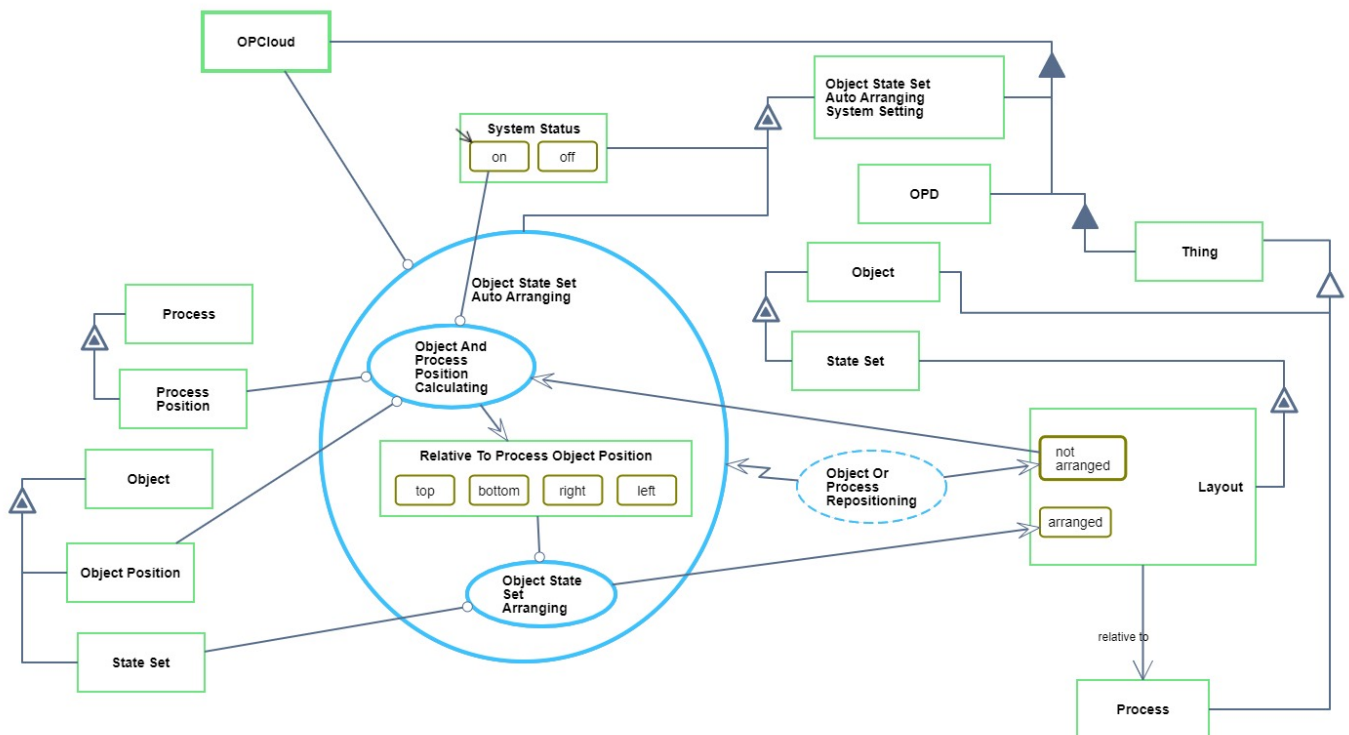
Object State Set Auto Arranging of Object State Set Auto Arranging System Setting changes Modeling Level Of Convenience of Modeler from low to high.

Object State Set Auto Arranging of Object State Set Auto Arranging System Setting changes Layout of State Set from not arranged to arranged.

Object State Set Auto Arranging of Object State Set Auto Arranging System Setting requires



## Object State Set Auto Arranging in-zoomed



Object State Set Auto Arranging of Object State Set Auto Arranging System Setting from SD zooms in SD1 into Object And Process Position Calculating , and Object State Set Arranging , which occur in that time sequence.

Object State Set Auto Arranging System Setting is informational.

OPD is informational.

Layout of State Set can be not arranged or arranged. State not arranged is initial.

Object is informational.

Relative To Process Object Position is informational.

Relative To Process Object Position can be top, bottom, right or left.

Process is informational.

Object is informational.

Process is informational.

System Status of Object State Set Auto Arranging System Setting can be on or off. State on is default.

OPCloud is informational.

Thing is informational.

Object exhibits State Set.

State Set exhibits Layout.

Layout relative to Process.

Process exhibits Process Position.

Object exhibits Object Position and State Set.

Object State Set Auto Arranging System Setting exhibits System Status, as well as Object State Set Auto Arranging .

OPCloud consists of OPD and Object State Set Auto Arranging System Setting .

OPD consists of Thing.

Object and Process are Thing.

Object State Set Auto Arranging of Object State Set Auto Arranging System Setting requires

OPCloud.

Object Or Process Repositioning is informatical and environmental.

Object Or Process Repositioning yields Layout of State Set at state not arranged.

Object Or Process Repositioning invokes Object State Set Auto Arranging .

Object And Process Position Calculating is informatical.

Object And Process Position Calculating requires Object Position, Process Position, and System Status of Object State Set Auto Arranging System Setting at state on.

Object And Process Position Calculating consumes Layout of State Set at state not arranged.

Object And Process Position Calculating yields Relative To Process Object Position .

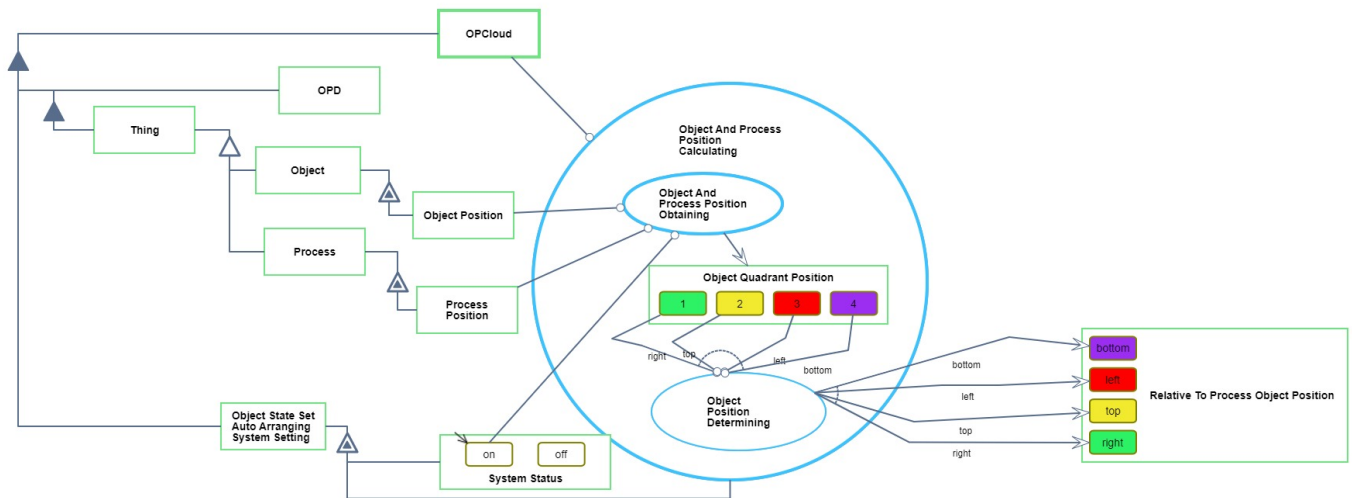
Object State Set Arranging is informatical.

Object State Set Arranging requires Relative To Process Object Position and State Set.

Object State Set Arranging yields Layout of State Set at state arranged.

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## Object And Process Position Calculating in-zoomed



Object And Process Position Calculating of Object State Set Auto Arranging System Setting from SD1 zooms in SD1 .1 into Object Position Determining, which occur in that time sequence.

Relative To Process Object Position is informational.

Relative To Process Object Position can be top, bottom, right or left.

Object Quadrant Position is informational.

Object Quadrant Position can be 1, 2, 3 or 4.

Object is informational.

Process is informational.

OPD is informational.

OPCloud is informational.

Object State Set Auto Arranging System Setting is informational.

System Status of Object State Set Auto Arranging System Setting can be on or off. State on is default.

Thing is informational.

Object exhibits Object Position.

Process exhibits Process Position.

OPCloud consists of OPD and Object State Set Auto Arranging System Setting .

Object State Set Auto Arranging System Setting exhibits System Status, as well as

Object And Process Position Calculating .

OPD consists of Thing.

Object and Process are Thing.

Object And Process Position Calculating of Object State Set Auto Arranging System Setting requires OPCloud.

Object And Process Position Obtaining is informational.

Object And Process Position Obtaining requires Object Position, Process Position, and System Status of Object State Set Auto Arranging System Setting at state on.

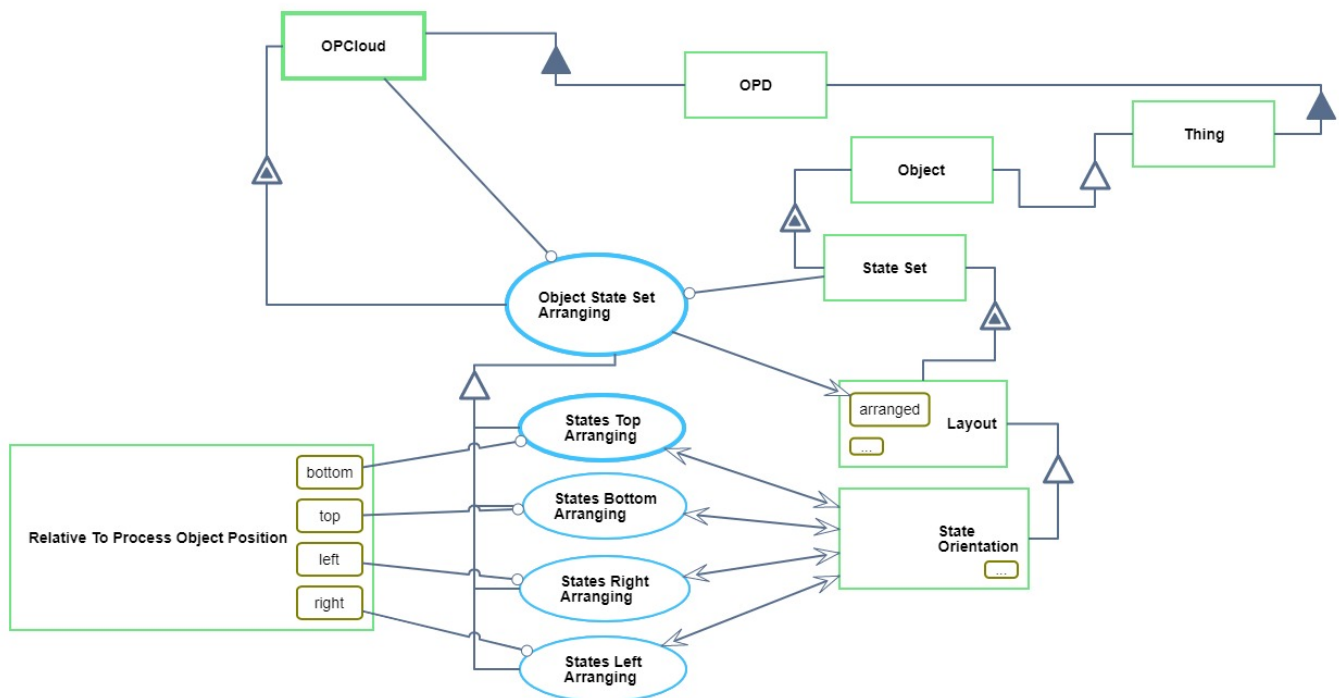
Object And Process Position Obtaining yields Object Quadrant Position.

Object Position Determining is informational.

Object Position Determining requires Object Quadrant Position at one of the states 1, 2, 3 or 4.

Object Position Determining yields Relative To Process Object Position at one of the states left, top, right or bottom.

## Object State Set Arranging unfolded



Relative To Process Object Position is informational.

Relative To Process Object Position can be top, bottom, right or left.

Layout of State Set is arranged.

Object is informational.

State Orientation is informational.

OPCloud is informational.

OPD is informational.

Thing is informational.

States Bottom Arranging, States Left Arranging, States Right Arranging, and States Top Arranging are Object State Set Arranging.

State Orientation is a Layout.

State Set exhibits Layout.

Object exhibits State Set.

OPCloud consists of OPD.

OPD consists of Thing.

Object is a Thing.

OPCloud exhibits Object State Set Arranging.

Object State Set Arranging of OPCloud requires OPCloud and State Set.

Object State Set Arranging of OPCloud yields Layout of State Set at state arranged.

States Top Arranging is informational.

States Top Arranging requires Relative To Process Object Position at state bottom.

States Top Arranging affects State Orientation.

States Bottom Arranging is informational.

States Bottom Arranging requires Relative To Process Object Position at state top.

States Bottom Arranging affects State Orientation.

States Right Arranging is informational.

States Right Arranging requires Relative To Process Object Position at state left.

States Right Arranging affects State Orientation.



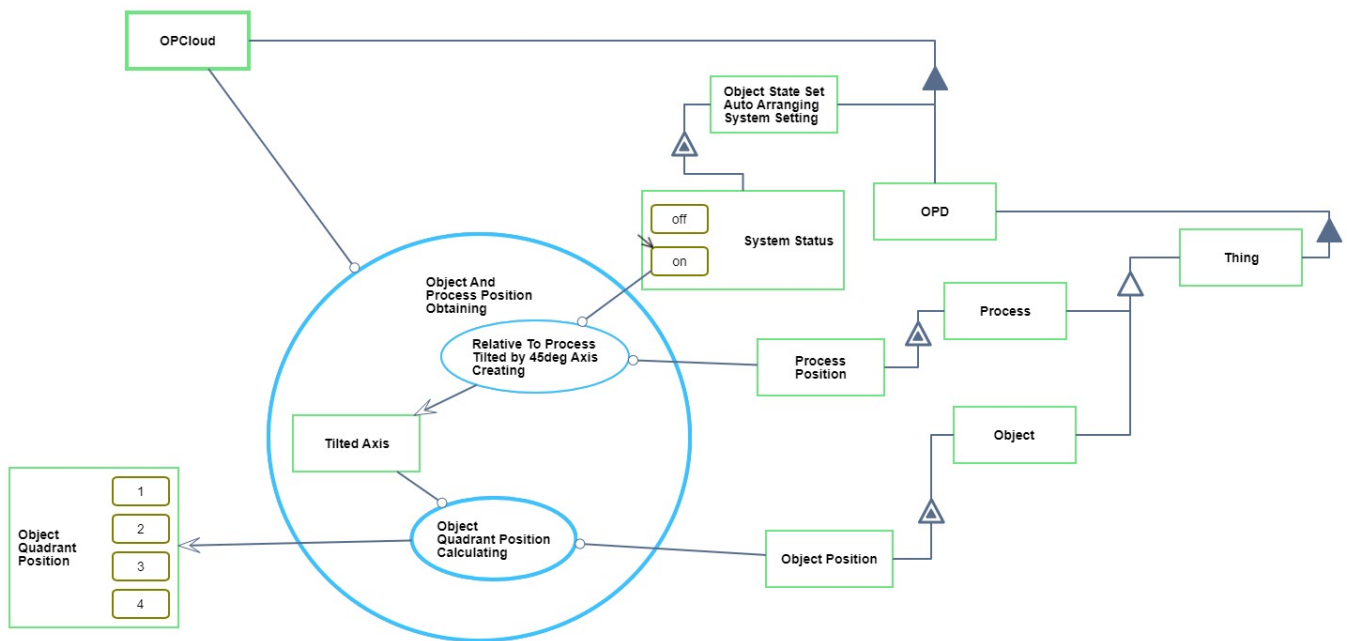
States Left Arranging is informatival.

States Left Arranging requires Relative To Process Object Position at state right.

States Left Arranging affects State Orientation.

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## Object And Process Position Obtaining in-zoomed



Object And Process Position Obtaining from SD1.1 zooms in SD1.1.1 into Relative To Process Tilted by 45deg Axis Creating , and Object Quadrant Position Calculating , which occur in that time sequence.

Object Quadrant Position is informational.

Object Quadrant Position can be 1, 2, 3 or 4.

Process is informational.

Object is informational.

Tilted Axis is informational.

OPD is informational.

OPCloud is informational.

System Status of Object State Set Auto Arranging System Setting can be on or off. State on is default.

Object State Set Auto Arranging System Setting is informational.

Thing is informational.

Object exhibits Object Position.

Process exhibits Process Position.

OPCloud consists of OPD and Object State Set Auto Arranging System Setting .

Object State Set Auto Arranging System Setting exhibits System Status.

OPD consists of Thing.

Object and Process are Thing.

Object And Process Position Obtaining is informational.

Object And Process Position Obtaining requires OPCloud.

Relative To Process Tilted by 45deg Axis Creating is informational.

Relative To Process Tilted by 45deg Axis Creating requires Process Position and

System Status of Object State Set Auto Arranging System Setting at state on.

Relative To Process Tilted by 45deg Axis Creating yields Tilted Axis.

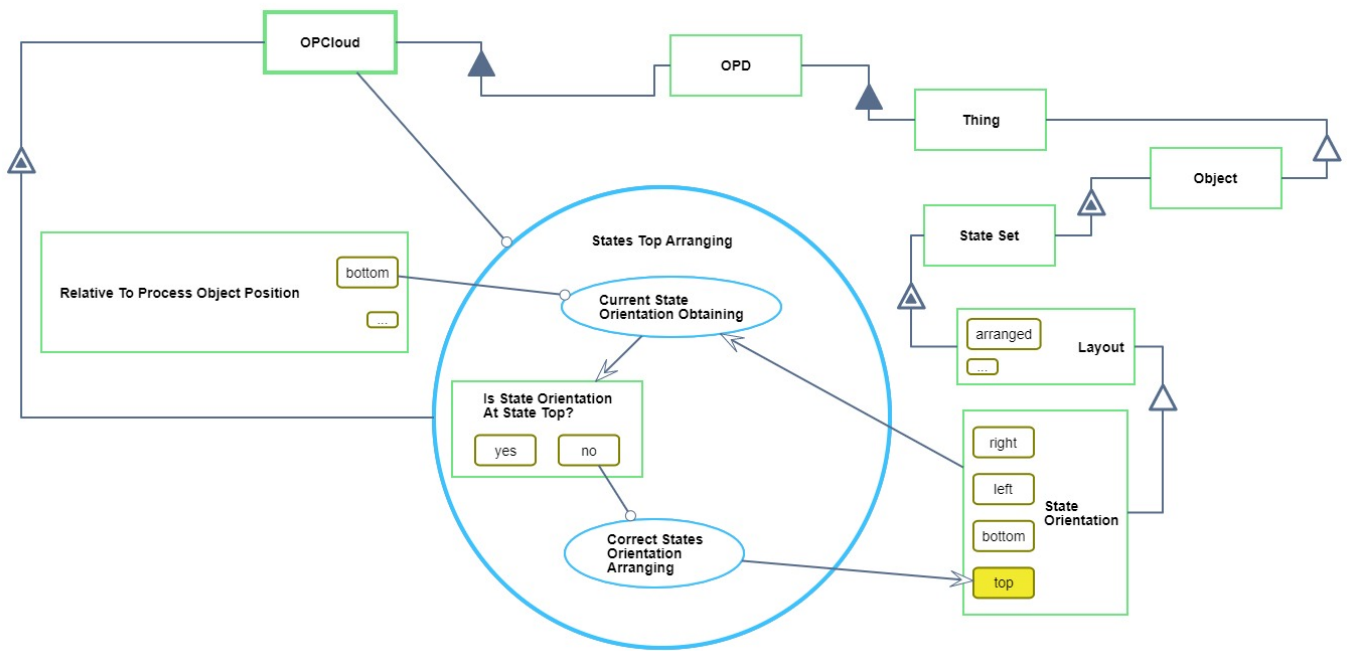
Object Quadrant Position Calculating is informational.

Object Quadrant Position Calculating requires Object Position and Tilted Axis.

Object Quadrant Position Calculating yields Object Quadrant Position.

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## States Top Arranging in-zoomed



Relative To Process Object Position is informatical.

Relative To Process Object Position is bottom.

Is State Orientation At State Top? is informatical.

Is State Orientation At State Top? can be yes or no.

Layout of State Set is arranged.

State Orientation is informatical.

State Orientation can be top, right, left or bottom.

Object is informatical.

OPD is informatical.

OPCloud is informatical.

Thing is informatical.

State Orientation is a Layout.

State Set exhibits Layout.

Object exhibits State Set.

OPCloud consists of OPD.

OPCloud exhibits States Top Arranging

OPD consists of Thing.

Object is a Thing.

States Top Arranging of OPCloud requires OPCloud.

Current State Orientation Obtaining is informatical.

Current State Orientation Obtaining requires Relative To Process Object Position at state bottom.

Current State Orientation Obtaining consumes State Orientation.

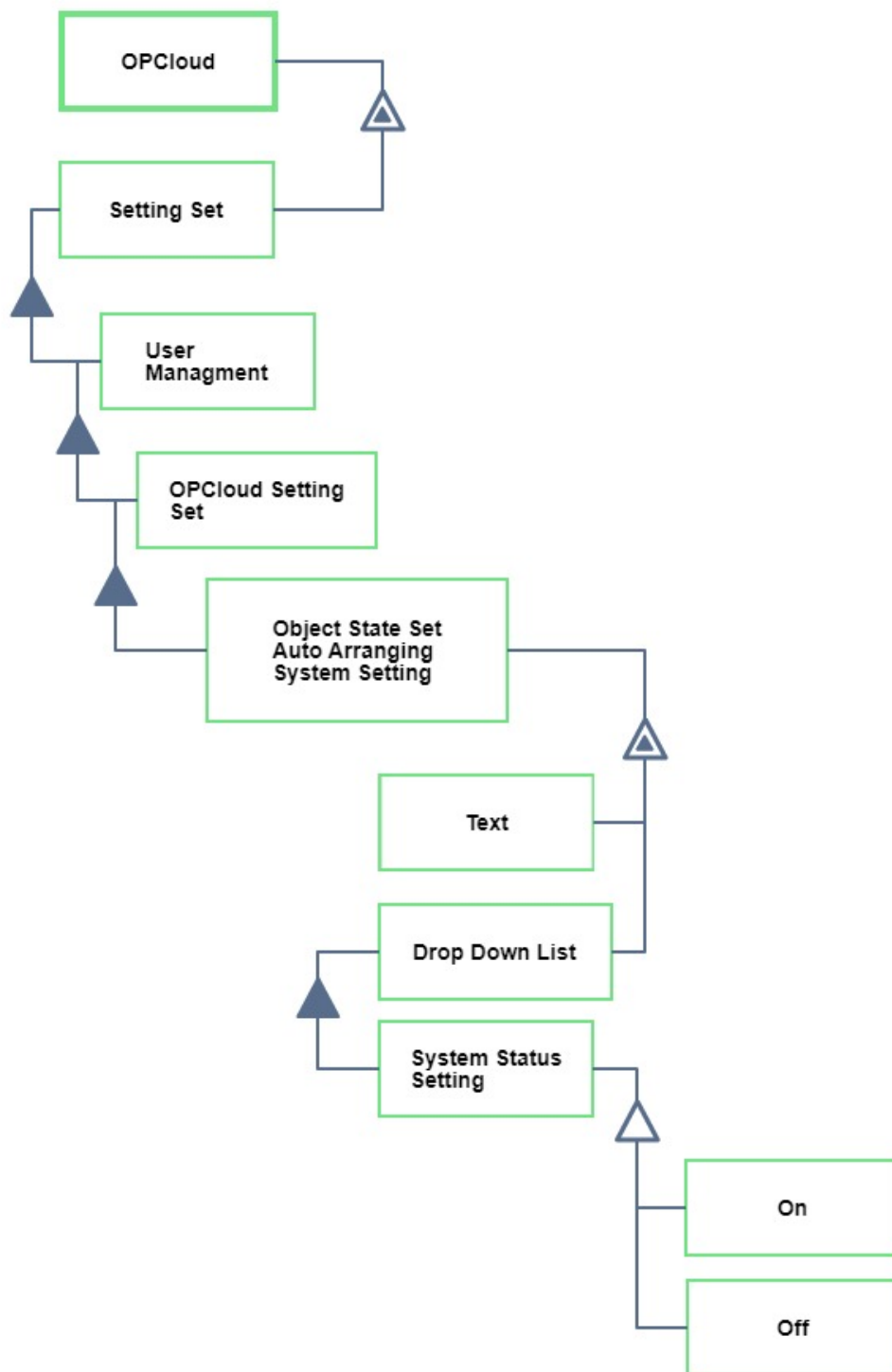
Current State Orientation Obtaining yields Is State Orientation At State Top? .

Correct States Orientation Arranging is informatical.

Correct States Orientation Arranging requires Is State Orientation At State Top? at state no.

Correct States Orientation Arranging yields State Orientation at state top.

## OPCloud unfolded



Object State Set Auto Arranging System Setting is informational.

OPCODE is informational.

User Management is informational.

OPCODE Setting Set is informational.

System Status Setting is informational.

Off is informational.

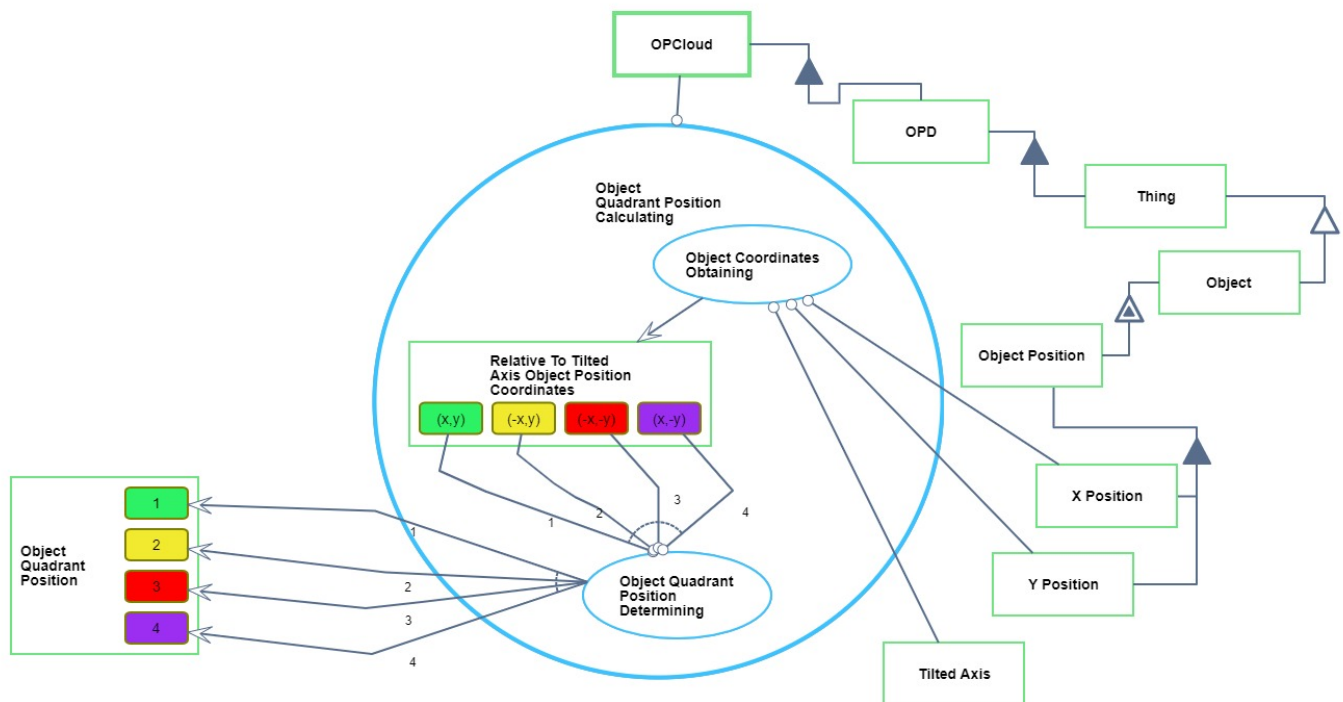
On is informational.

Setting Set consists of User Management.

User Managment consists of OPCloud Setting Set .  
OPCloud Setting Set consists of Object State Set Auto Arranging System Setting .  
OPCloud exhibits Setting Set.  
Object State Set Auto Arranging System Setting exhibits Drop Down List and Text.  
Drop Down List consists of System Status Setting.  
Off and On are System Status Setting.

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## Object Quadrant Position Calculating in-zoomed



Object Quadrant Position Calculating from SD1.1.1 zooms in SD1.1.1 into Object Coordinates Obtaining , and Object Quadrant Position Determining, as well as Relative To Tilted Axis Object Position Coordinates .

Tilted Axis is informational.

Object Quadrant Position is informational.

Object Quadrant Position can be 1, 2, 3 or 4.

Object is informational.

Thing is informational.

X Position is informational.

Y Position is informational.

OPD is informational.

OPCloud is informational.

Relative To Tilted Axis Object Position Coordinates is informational.

Relative To Tilted Axis Object Position Coordinates can be (x,y), (-x,y), (-x,-y) or (x,-y).

Object exhibits Object Position.

Object is a Thing.

Object Position consists of X Position and Y Position.

OPD consists of Thing.

OPCloud consists of OPD.

Object Quadrant Position Calculating is informational.

Object Quadrant Position Calculating requires OPCloud.

Object Coordinates Obtaining is informational.

Object Coordinates Obtaining requires Tilted Axis, X Position, and Y Position.

Object Coordinates Obtaining yields Relative To Tilted Axis Object Position Coordinates .

Object Quadrant Position Determining is informational.

Object Quadrant Position Determining requires

Relative To Tilted Axis Object Position Coordinates at one of the states (x,y), (-x,y), (-x,-y) or

(x,-y).

Object Quadrant Position Determining yields Object Quadrant Position at one of the states 1, 2, 3 or 4.

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# ELEMENTS DICTIONARY

## Things

### Objects:

Object Name: **Modeler**

Object Opds:

*SD*

Object Name:

**Object State Set Auto Arranging  
System Setting**

Object Opds:

*SD*

*Object State Set*

*Auto Arranging in-zoomed*

*Object And Process*

*Position*

*Calculating in-zoomed*

*Object And*

*Process Position*

*Obtaining in-zoomed*

*OPCloud unfolded*

Object Name: **Modeling Level Of Convenience**

Object Opds:

*SD*

Object States:

*low*

*high*

Object Name: **Layout**

Object Opds:

*SD*

*Object State Set*

*Auto Arranging in-zoomed*

*Object State Set*

*Arranging unfolded*

*States Top Arranging in-zoomed*

Object States:

*not arranged*

*arranged*

Object Name: **OPD**

Object Opds:

*SD*  
*Object State Set*  
*Auto Arranging in-zoomed*

*Object And Process*  
*Position*  
*Calculating in-zoomed*

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object State Set*  
*Arranging unfolded*

*States Top Arranging in-zoomed*  
*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Object Name: **Object**

Object Opds:

*SD*  
*Object State Set*  
*Arranging unfolded*

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Object Name: **Process**

Object Opds:

*SD*  
*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object And Process*  
*Position*  
*Calculating in-zoomed*

Object Name: **State Set**

Object Opds:

*SD*  
*Object State Set*  
*Auto Arranging in-zoomed*

*Object State Set*  
*Arranging unfolded*

*States Top Arranging in-zoomed*  
*Object State Set*  
*Auto Arranging in-zoomed*

Object Name: **Object**

Object Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

*Object State Set*  
*Auto Arranging in-zoomed*

Object Name: **Relative To Process Object Position**

Object Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

*Object And Process*  
*Position*  
*Calculating in-zoomed*

*Object State Set*  
*Arranging unfolded*

*States Top Arranging in-zoomed*

Object States:

*top*  
*bottom*  
*right*  
*left*

Object Name: **Process**

Object Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

*Object State Set*  
*Auto Arranging in-zoomed*

Object Name: **Object Quadrant Position**

Object Opds:

*Object And Process*  
*Position*  
*Calculating in-zoomed*

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

Object  
Quadrant Position  
Calculating in-zoomed

Object States:

1  
2  
3  
4

Object Name: Object

Object Opds:

Object And Process  
Position  
Calculating in-zoomed

States Top Arranging in-zoomed

Object Name: Is State Orientation At State Top?

Object Opds:

States Top Arranging in-zoomed

Object States:

yes  
no

Object Name: Process Position

Object Opds:

Object And  
Process Position  
Obtaining in-zoomed

Object And Process  
Position  
Calculating in-zoomed

Object State Set  
Auto Arranging in-zoomed

Object Name: Object Position

Object Opds:

Object And  
Process Position  
Obtaining in-zoomed

Object And Process  
Position  
Calculating in-zoomed

Object State Set  
Auto Arranging in-zoomed

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Object Name: **Tilted Axis**

Object Opds:

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Object Name: **State Orientation**

Object Opds:

*States Top Arranging in-zoomed*  
*Object State Set*  
*Arranging unfolded*

Object States:

*top*  
*right*  
*left*  
*bottom*

Object Name: **OPCloud**

Object Opds:

*SD*  
*Object State Set*  
*Auto Arranging in-zoomed*

*Object And Process*  
*Position*  
*Calculating in-zoomed*

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object State Set*  
*Arranging unfolded*

*States Top Arranging in-zoomed*  
*OPCloud unfolded*  
*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Object Name: **System Status**

Object Opds:

Object State Set  
Auto Arranging in-zoomed

Object And Process  
Position  
Calculating in-zoomed

Object And  
Process Position  
Obtaining in-zoomed

Object States:

on

off

Object Name: Setting Set

Object Opds:

OPCloud unfolded

Object Name: User Managment

Object Opds:

OPCloud unfolded

Object Name: OPCloud Setting Set

Object Opds:

OPCloud unfolded

Object Name: Drop Down List

Object Opds:

OPCloud unfolded

Object Name: Thing

Object Opds:

SD

Object State Set

Auto Arranging in-zoomed

Object And Process  
Position  
Calculating in-zoomed

Object And  
Process Position  
Obtaining in-zoomed

Object State Set  
Arranging unfolded

States Top Arranging in-zoomed  
Object  
Quadrant Position  
Calculating in-zoomed

Object Name: **System Status Setting**

Object Opds:

*OPCloud unfolded*

Object Name: **Text**

Object Opds:

*OPCloud unfolded*

Object Name: **Off**

Object Opds:

*OPCloud unfolded*

Object Name: **On**

Object Opds:

*OPCloud unfolded*

Object Name: **X Position**

Object Opds:

*Object*

*Quadrant Position*

*Calculating in-zoomed*

Object Name:

**Relative To Tilted Axis Object Position  
Coordinates**

Object Opds:

*Object*

*Quadrant Position*

*Calculating in-zoomed*

Object States:

*(x,y)*

*(-x,y)*

*(-x,-y)*

*(x,-y)*

Object Name: **Y Position**

Object Opds:

*Object*

*Quadrant Position*

*Calculating in-zoomed*

## **Processes:**

Process Name: **Object State Set Auto Arranging**

Process Opds:

*SD*

*Object State Set*

*Auto Arranging in-zoomed*

Process Name:

Object And Process Position  
Calculating

Process Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

*Object And Process*  
*Position*  
*Calculating in-zoomed*

Process Name: Object Or Process Repositioning

Process Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

Process Name: Object State Set Arranging

Process Opds:

*Object State Set*  
*Auto Arranging in-zoomed*

*Object State Set*  
*Arranging unfolded*

Process Name:

Object Position  
Determining

Process Opds:

*Object And Process*  
*Position*  
*Calculating in-zoomed*

Process Name:

Object And Process Position  
Obtaining

Process Opds:

*Object And Process*  
*Position*  
*Calculating in-zoomed*

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

Process Name: States Top Arranging

Process Opds:



*Object State Set*  
*Arranging unfolded*

*States Top Arranging in-zoomed*

Process Name: [States Bottom Arranging](#)

Process Opds:

*Object State Set*  
*Arranging unfolded*

Process Name: [States Right Arranging](#)

Process Opds:

*Object State Set*  
*Arranging unfolded*

Process Name: [States Left Arranging](#)

Process Opds:

*Object State Set*  
*Arranging unfolded*

Process Name:

[Relative To Process Tilted by 45deg Axis](#)  
[Creating](#)

Process Opds:

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

Process Name: [Current State Orientation Obtaining](#)

Process Opds:

*States Top Arranging in-zoomed*

Process Name:

[Correct States Orientation](#)  
[Arranging](#)

Process Opds:

*States Top Arranging in-zoomed*

Process Name:

[Object Quadrant Position](#)  
[Calculating](#)

Process Opds:

*Object And*  
*Process Position*  
*Obtaining in-zoomed*

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Process Name: **Object Coordinates Obtaining**

Process Opds:

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

Process Name:

**Object Quadrant Position**  
**Determining**

Process Opds:

*Object*  
*Quadrant Position*  
*Calculating in-zoomed*

## **Relations**

### **Procedural Relations:**

Result

Source Name: *Object State Set Auto Arranging*  
Target(s) Name: *high*

Source Name:  
*Object And Process Position*  
*Calculating*

Target(s) Name: *Relative To Process Object Position*

Source Name:  
*Object And Process Position*  
*Obtaining*

Target(s) Name: *Object Quadrant Position*

Source Name: *Object State Set Arranging*  
Target(s) Name: *arranged*

Source Name: *Current State Orientation Obtaining*  
Target(s) Name: *Is State Orientation At State Top?*

Source Name:  
*Relative To Process Tilted by 45deg Axis*  
*Creating*

Target(s) Name: *Tilted Axis*

Source Name:

*Correct States Orientation  
Arranging*

Target(s) Name: *top*

Source Name: *Object State Set Auto Arranging*

Target(s) Name: *arranged*

Source Name: *Object Or Process Repositioning*

Target(s) Name: *not arranged*

Source Name:

*Object Quadrant Position  
Calculating*

Target(s) Name: *Object Quadrant Position*

Source Name: *Object Coordinates Obtaining*

Target(s) Name:

*Relative To Tilted Axis Object Position  
Coordinates*

Source Name:

*Object Quadrant Position  
Determining*

Target(s) Name: *1*

Source Name:

*Object Position  
Determining*

Target(s) Name: *left*

Source Name:

*Object Position  
Determining*

Target(s) Name: *right*

Source Name:

*Object Position  
Determining*

Target(s) Name: *top*

Source Name:

*Object Position  
Determining*

Target(s) Name: *bottom*

Source Name:

*Object Quadrant Position  
Determining*

Target(s) Name: 4

Source Name:

*Object Quadrant Position  
Determining*

Target(s) Name: 2

Source Name:

*Object Quadrant Position  
Determining*

Target(s) Name: 3

## Consumption

Source Name: *low*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *not arranged*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *State Orientation*

Target(s) Name: *Current State Orientation Obtaining*

Source Name: *not arranged*

Target(s) Name:

*Object And Process Position  
Calculating*

## Instrument

Source Name: *OPD*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *Process Position*

Target(s) Name:

*Relative To Process Tilted by 45deg Axis  
Creating*

Source Name: *bottom*

Target(s) Name: *States Top Arranging*

Source Name: *top*

Target(s) Name: *States Bottom Arranging*

Source Name: *left*

Target(s) Name: *States Right Arranging*

Source Name: *right*

Target(s) Name: *States Left Arranging*

Source Name: *Object Position*

Target(s) Name:

*Object And Process Position  
Obtaining*

Source Name: *Process Position*

Target(s) Name:

*Object And Process Position  
Obtaining*

Source Name: *Relative To Process Object Position*

Target(s) Name: *Object State Set Arranging*

Source Name: *1*

Target(s) Name:

*Object Position  
Determining*

Source Name: *3*

Target(s) Name:

*Object Position  
Determining*

Source Name: *4*

Target(s) Name:

*Object Position  
Determining*

Source Name: *Process Position*

Target(s) Name:

*Object And Process Position  
Calculating*

Source Name: *Object Position*

Target(s) Name:

*Object And Process Position  
Calculating*

Source Name:

*Object State Set Auto Arranging  
System Setting*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *OPCloud*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *bottom*

Target(s) Name: *Current State Orientation Obtaining*

Source Name: *State Set*

Target(s) Name: *Object State Set Arranging*

Source Name: *OPCloud*

Target(s) Name:

*Object And Process Position  
Calculating*

Source Name: *OPCloud*

Target(s) Name:

*Object And Process Position  
Obtaining*

Source Name: *OPCloud*

Target(s) Name: *Object State Set Arranging*

Source Name: *on*

Target(s) Name:

*Object And Process Position  
Obtaining*

Source Name: *OPCloud*

Target(s) Name: *States Top Arranging*

Source Name: *no*

Target(s) Name:

*Correct States Orientation  
Arranging*

Source Name: *on*

Target(s) Name:

*Object And Process Position  
Calculating*

Source Name: *Tilted Axis*

Target(s) Name:

*Object Quadrant Position  
Calculating*

Source Name: *Object Position*

Target(s) Name:  
*Object Quadrant Position*  
*Calculating*

Source Name: *X Position*  
Target(s) Name: *Object Coordinates Obtaining*

Source Name: *Y Position*  
Target(s) Name: *Object Coordinates Obtaining*

Source Name: *OPCloud*  
Target(s) Name:  
*Object Quadrant Position*  
*Calculating*

Source Name: *Tilted Axis*  
Target(s) Name: *Object Coordinates Obtaining*

Source Name: *(x,y)*  
Target(s) Name:  
*Object Quadrant Position*  
*Determining*

Source Name: *(-x,y)*  
Target(s) Name:  
*Object Quadrant Position*  
*Determining*

Source Name: *(-x,-y)*  
Target(s) Name:  
*Object Quadrant Position*  
*Determining*

Source Name: *(x,-y)*  
Target(s) Name:  
*Object Quadrant Position*  
*Determining*

Source Name: *2*  
Target(s) Name:  
*Object Position*  
*Determining*

Source Name: *on*  
Target(s) Name:  
*Relative To Process Tilted by 45deg Axis*  
*Creating*

## Effect

Source Name: *States Top Arranging*  
Target(s) Name: *State Orientation*

Source Name: *States Bottom Arranging*  
Target(s) Name: *State Orientation*

Source Name: *States Right Arranging*  
Target(s) Name: *State Orientation*

Source Name: *States Left Arranging*  
Target(s) Name: *State Orientation*

## Invocation

Source Name: *Object Or Process Repositioning*  
Target(s) Name: *Object State Set Auto Arranging*

## Fundamental Relations:

### Exhibition

Source Name: *Modeler*  
Target(s) Name: *Modeling Level Of Convenience*

Source Name: *State Set*  
Target(s) Name: *Layout*

Source Name: *Object*  
Target(s) Name: *State Set*

Source Name:  
*Object State Set Auto Arranging*  
*System Setting*

Target(s) Name: *Object State Set Auto Arranging*

Source Name: *Object*  
Target(s) Name: *State Set*

Source Name: *Object*  
Target(s) Name: *State Set*

Source Name: *Object*  
Target(s) Name: *Object Position*

Source Name: *Process*  
Target(s) Name: *Process Position*

Source Name: *Object*  
Target(s) Name: *Object Position*

Source Name:



*Object State Set Auto Arranging  
System Setting*

Target(s) Name: *System Status*

Source Name: *Process*

Target(s) Name: *Process Position*

Source Name: *Object*

Target(s) Name: *Object Position*

Source Name:

*Object State Set Auto Arranging  
System Setting*

Target(s) Name:

*Object And Process Position  
Calculating*

Source Name: *OPCloud*

Target(s) Name: *States Top Arranging*

Source Name: *OPCloud*

Target(s) Name: *Object State Set Arranging*

Source Name: *OPCloud*

Target(s) Name: *Setting Set*

Source Name:

*Object State Set Auto Arranging  
System Setting*

Target(s) Name: *Text*

Source Name:

*Object State Set Auto Arranging  
System Setting*

Target(s) Name: *Drop Down List*

*Generalization*

Source Name: *Object State Set Arranging*

Target(s) Name: *States Top Arranging*

Source Name: *Object State Set Arranging*

Target(s) Name: *States Bottom Arranging*

Source Name: *Object State Set Arranging*

Target(s) Name: *States Right Arranging*

Source Name: *Object State Set Arranging*

Target(s) Name: *States Left Arranging*

Source Name: *Layout*  
Target(s) Name: *State Orientation*

Source Name: *Thing*  
Target(s) Name: *Object*

Source Name: *Thing*  
Target(s) Name: *Process*

Source Name: *Thing*  
Target(s) Name: *Object*

Source Name: *Thing*  
Target(s) Name: *Process*

Source Name: *Thing*  
Target(s) Name: *Object*

Source Name: *System Status Setting*  
Target(s) Name: *Off*

Source Name: *System Status Setting*  
Target(s) Name: *On*

#### Aggregation

Source Name: *OPCloud*  
Target(s) Name:  
*Object State Set Auto Arranging*  
*System Setting*

Source Name: *OPCloud*  
Target(s) Name: *OPD*

Source Name: *Setting Set*  
Target(s) Name: *User Managment*

Source Name: *User Managment*  
Target(s) Name: *OPCloud Setting Set*

Source Name: *OPCloud Setting Set*  
Target(s) Name:  
*Object State Set Auto Arranging*  
*System Setting*

Source Name: *OPD*  
Target(s) Name: *Thing*

Source Name: *Drop Down List*  
Target(s) Name: *System Status Setting*

Source Name: *Object Position*

Target(s) Name: *X Position*

Source Name: *Object Position*

Target(s) Name: *Y Position*

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