

Load Project Save Project

Guide BOM Factory Map Properties Demand/Frequency/Stock Conceptual Factory Map Skeleton Cost Comparison

Inputs

Scenario

Optimization



Parts/Products



Site



Handling/Storage



Load BOM



Demand/Frequency/Stock



Load Factory Map



Conceptual Factory Map



Cost Comparison



Physical Properties



Skeleton

Skeleton/Row Detail

Select a file:

/Users/yulianzeng/Google Drive/Daimler/data/VU2\_Mengengerüst\_MFA2\_adjusted.xls

Browse

Column A is not valid for "Part".

Part	Bin Type	Turnover (KLT/d)	Turnover (LU/d)	Fitment Point Line	KLT per Layer	Layers Per LU	KLT Length/r(mm)	KLT Width/r(mm)
<a href="#">Data Grid Docs</a>								

GLT length:

GLT width:

GLT hight:

KSP Volume:

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Select a file:

Data is loaded successfully.

Total GLT parts: 100    Total KLT parts: 400

Total GLT Volume: 950    Total KLT Volume: 50

Part	Bin Type	Turnover (KLT/d)	Turnover (LU/d)	Fitment Point Line	KLT per Layer	Layers Per LU	KLT Length/r(mm)	KLT Width/r(mm)
A24692315009H68	KLT	0.0074239	0.00	40B05L	10	2	400	300
<a href="#">Data Grid Docs</a>								

GLT length:

GLT width:

GLT hight:

KSP Volume:

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## Demand/Frequency/Stock

Multiply turnover with a percentage to define demand (This will apply to all parts):

Modified demand = Turnover \*

Select a file to load frequency for parts:

Stock

☒ Define number of days in stock (This will apply to all parts):

☐ Select a file to load number of stocks for parts:

Part	Turnover (KLT/d)	Turnov (LU/d)	Modified Demand(KLT/d)	Modified Demand(LU/d)	Frequency	Stock
<a href="#">Data Grid Do</a>						

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Upload a Map:

/Users/yulianzeng/Google Drive/Daimler/data/map.jpg

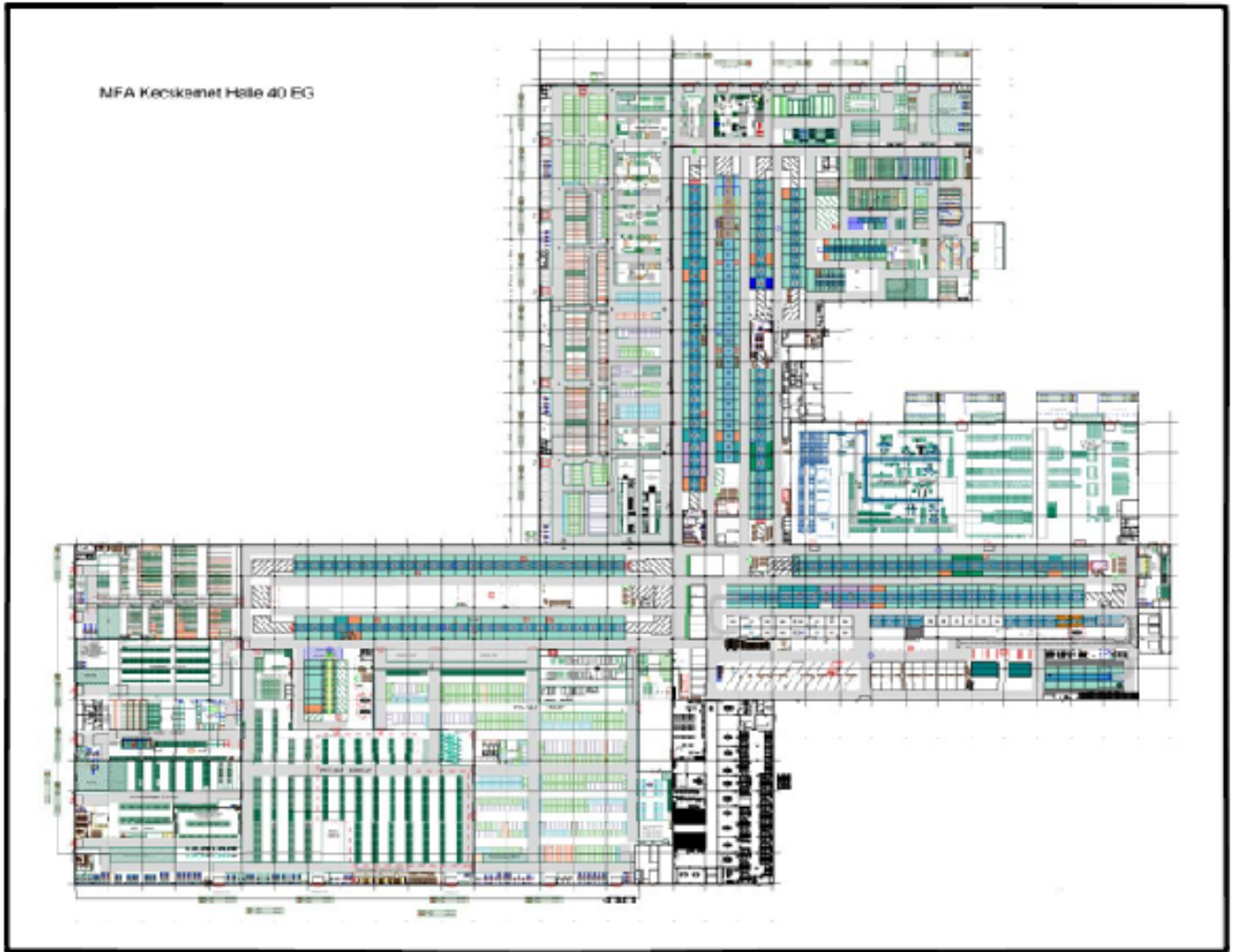
Browse

Width (m):

400

Length (m):

500



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Drag and drop shapes to the map.

Shapes



Available area for  
laying out logistics  
center



Expandable area  
for laying out  
logistics center



Assembly line group



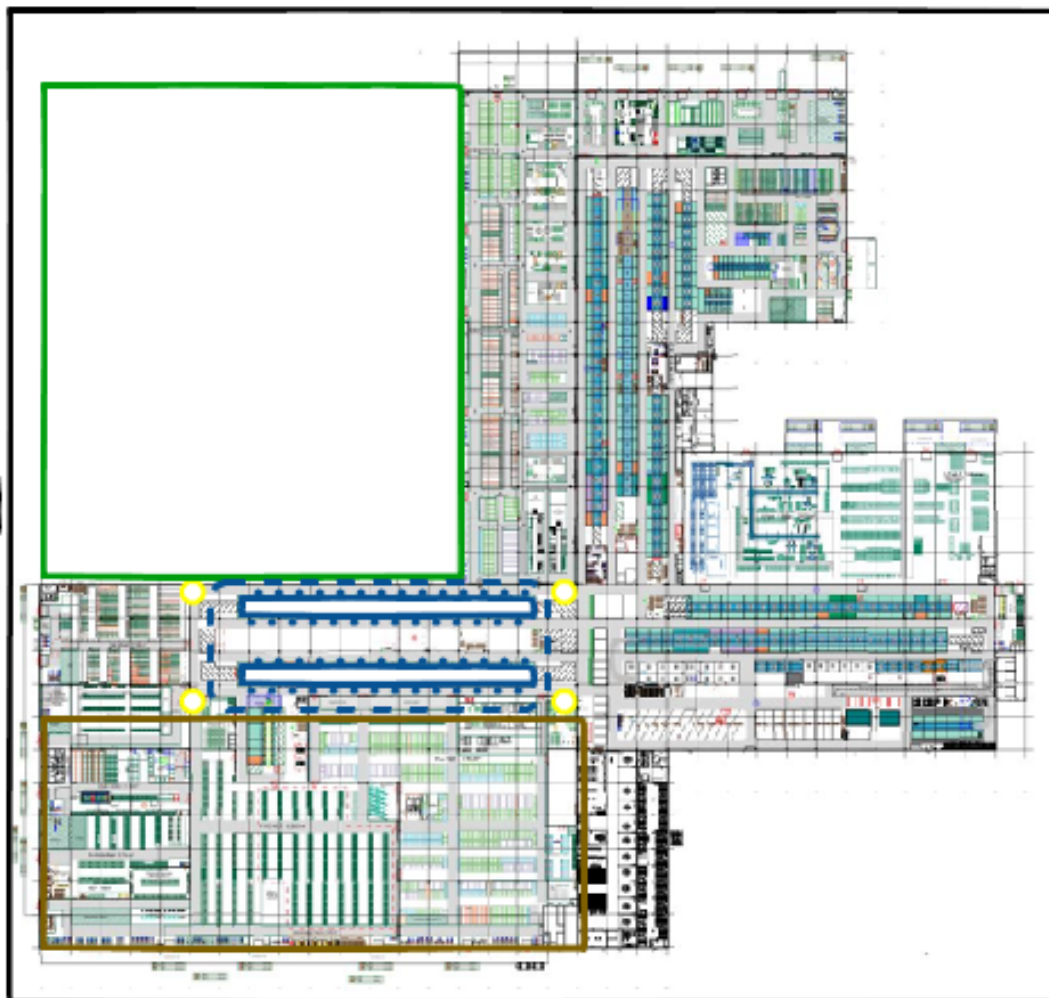
Assembly line

Length (m):

500

Width (m):

400



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Drag and drop shapes to the map.

Shapes



Available area for laying out logistics center



Expandable area for laying out logistics center



Assembly line group



Assembly line

Width (m):

400

Length (m):

500

Assembly line Group

Name of the Assembly line Group:

Cancel

OK

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Drag and drop shapes to the map.

Shapes



Available area for laying out logistics center



Expandable area for laying out logistics center



Assembly line group



Assembly line

Width (m):

400

Length (m):

500

Assembly Line

Assembly Line name:

Assembly Line group name:

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## Properties



Bulk



Rack



Supermarket Floor



Supermarket Flow Rack

Put away time bulk:

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## Properties



Bulk



Rack



Supermarket Floor



Supermarket Flow Rack

Height per rack level:

Cost rack spot:

Put away time rack:

Write off racks:

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## Properties



Bulk



Rack



Supermarket Floor



Supermarket Flow Rack

Pick time from floor:

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## Properties



Bulk



Rack



Supermarket Floor



Supermarket Flow Rack

Flow rack levels:

Flow rack stack levels:

Flow rack KLT gap:

Pick time from flow rack:

Flow rack hight:

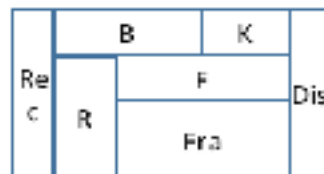
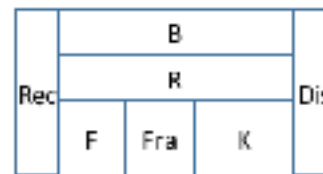
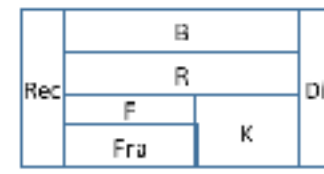
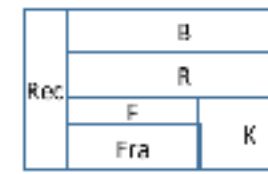
Flow rack depth:

Cost flow rack:

Put away KLT flow rack:

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☒ Skeleton 1

☒ Skeleton 2

☒ Skeleton 3

☒ Skeleton 3

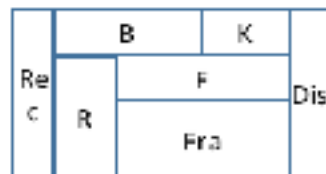

Dimension range	Min bulk length (LU):		Max bulk length (LU):	
Thresholds range	<input type="text"/>		<input type="text"/>	
	Bulk height (LU):		Min rack length (LU):	
	<input type="text"/>		<input type="text"/>	
	Max rack length (LU):		Rack height (LU):	
	<input type="text"/>		<input type="text"/>	
	Min super market length (LU):		Max super market length (LU):	
	<input type="text"/>		<input type="text"/>	
	Min KSP area (m2):			
	<input type="text"/>			

## Legend

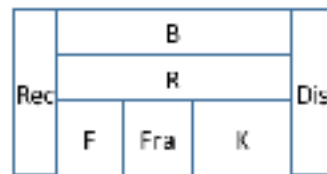
Rec: Receiving  
 B: Bulk  
 R: Rack  
 F: Floor  
 Fra: Flow rack  
 K: KSP  
 Dis: Dispatch

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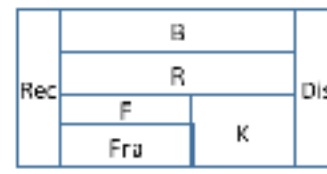
Run



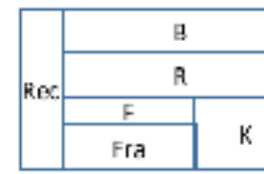
☒ Skeleton 1



☒ Skeleton 2



☒ Skeleton 3



☒ Skeleton 3



Dimension range

Thresholds range

Min volume cutoff (LU):

Min totes per day:

Min layers:

Max volume cutoff (LU):

Max totes per day:

Max layers:

Legend

Rec: Receiving  
B: Bulk  
R: Rack  
F: Floor  
Fra: Flow rack  
K: KSP  
Dis: Dispatch

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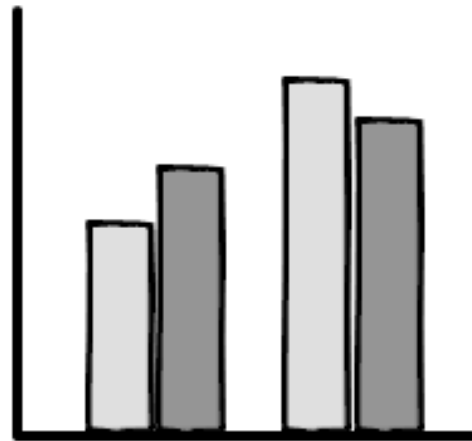


Run Progress

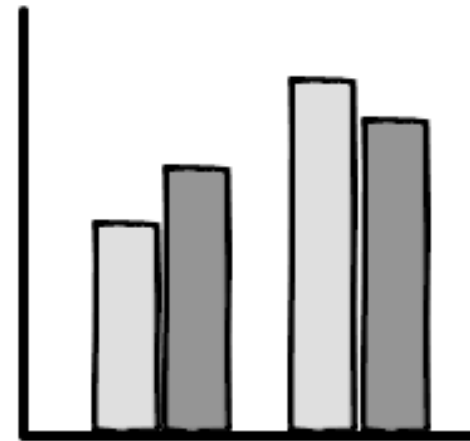
25% Completed



Cancel



Total Cost Comparison



Total Area Comparison

# Result

Skeleton 1 ▼

Bulk  
Row length: 34  
# of 1-deep row: 0  
# of 2-deep row: 0  
# of 3-deep row: 3  
# of 4-deep row: 0  
# of 5-deep row: 0  
# of 6-deep row: 0  
# of 7-deep row: 0  
# of 8-deep row: 0

Rack  
Row length: 19  
# of rows: 24

Flow Rack  
Row length: 50  
# of rows: 3

Floor  
Row length: 50  
# of rows: 21

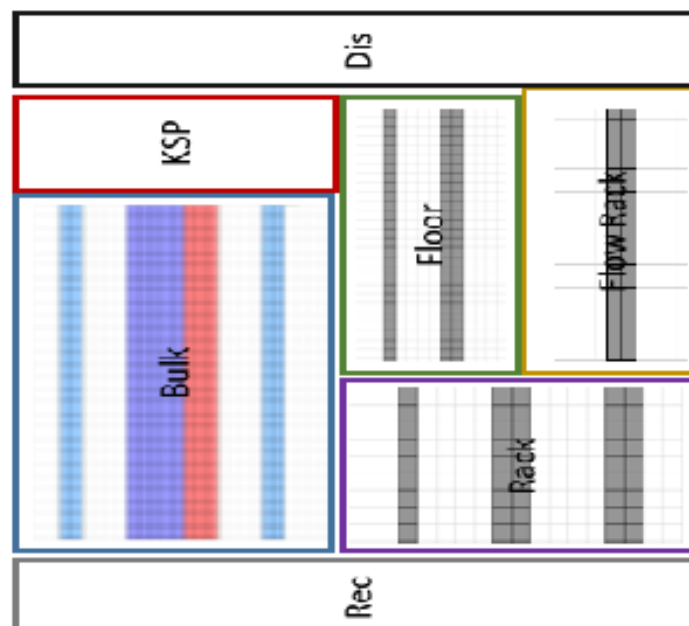
KSP  
Length: 45.1  
Width: 24.0

Receiving  
Depth: 20  
Width: 100

Dispatch  
Depth: 20  
Width: 100

Cutoff Values  
Bulk / Rack: 10.0  
Totes per day: 5.0  
Layers: 5.0

Warehouse 1 ▼



Click on rows for SKU assignments

Total cost: \$16679  
Total length: 122.5 m  
Bulk cost: \$2003.40  
Floor cost: \$164.66  
KSP cost: \$2143.6  
Dispatch cost: \$40

Total area: 13000 m2  
Total width: 100.8 m  
Rack cost: \$1064.78  
Flow rack cost: \$112.03  
Receiving cost: \$40

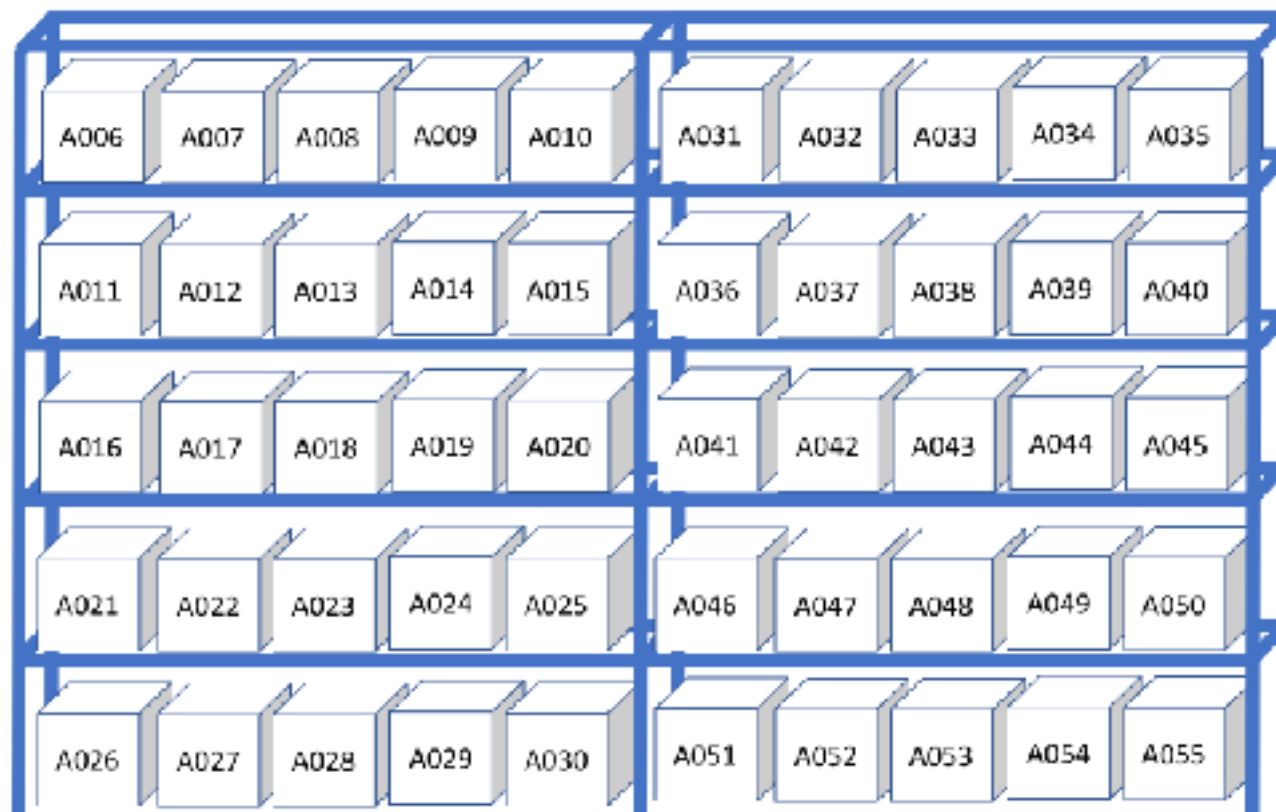
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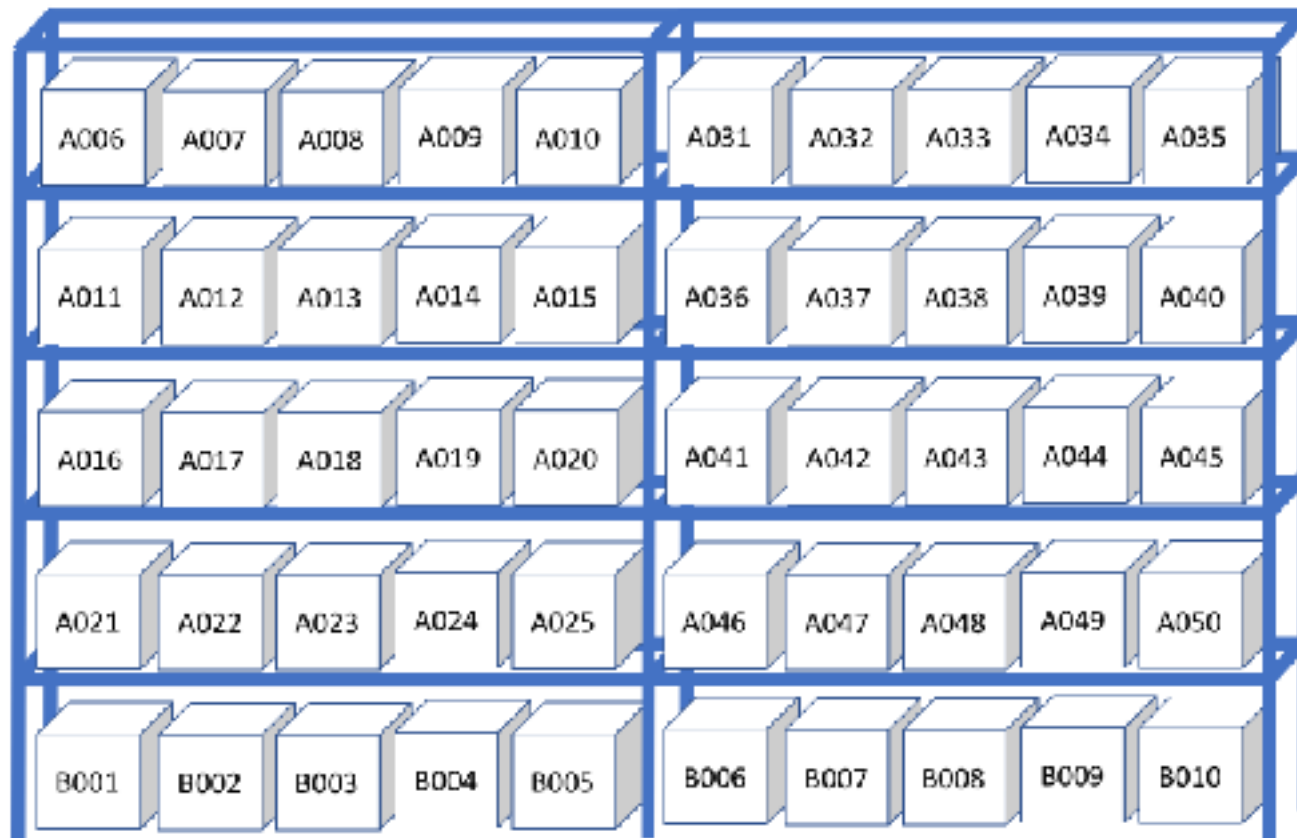
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## Rack Row 1



Floor Row 1





# Flow Rack Row 1

