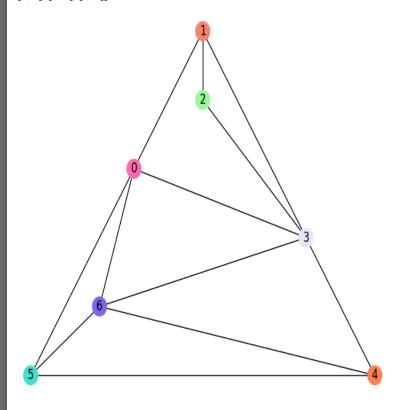
A catalogue for multiple floor plans from a given adjacency graph

 $Adjacency\ List:\ [[6,5],[5,4],[4,6],[6,0],[0,3],[3,4],[6,3],[5,0],[0,1],$

[1, 2], [2, 3], [3, 1]]



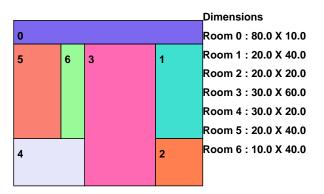
Time taken: 597.3777770996094 ms

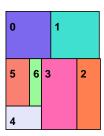
Number of floorplans: 41

Dimenstional Constraints

Room Name	Min. width	Max. Width	Min. Heigth	Max. Heigth	Min. Aspect Ratio	Max. Aspect Ratio
Room0	10	200	10	150	0.5	2.0
Room1	20	300	40	100	0.5	2.0
Room2	20	200	20	100	0.5	2.0
Room3	30	100	50	100	0.5	2.0
Room4	20	200	20	150	0.5	2.0
Room5	20	100	30	150	0.5	2.0
Room6	10	100	40	200	0.5	2.0

0 of 41 Floor Plans

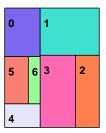




Dimensions

Room 1: 41.395 X 40.0 Room 2: 20.0 X 60.0 Room 3: 30.0 X 60.0 Room 4: 30.0 X 20.0 Room 5: 20.0 X 40.0 Room 6: 10.0 X 40.0

Room 0: 38.605 X 40.0



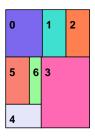
Dimensions Room 0: 30.0 X 41.0 Room 1:50.0 X 40.0 Room 2: 20.0 X 61.0 Room 3: 30.0 X 61.0 Room 4: 30.0 X 20.0

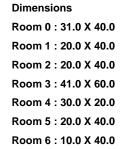
Room 5: 20.0 X 40.0

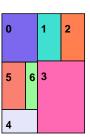
Room 6: 10.0 X 40.0

				Dim
0			1	Roo
5	6	3		Roo
				Roo
4			2	Roo

ensions om 0 : 60.0 X 10.0 m 1 : 20.0 X 45.724 om 2 : 20.0 X 24.276 m 3:30.0 X 60.0 om 4 : 30.0 X 20.0 om 5 : 20.0 X 40.0 om 6 : 10.0 X 40.0

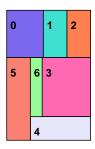




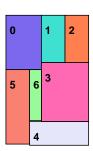


Room 0 : 30.0 X 41.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 40.0
Room 3: 40.0 X 61.0
Room 4 : 30.0 X 20.0
Room 5 : 20.0 X 40.0
Room 6: 10.0 X 40.0

Dimensions



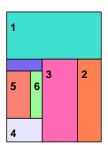
Dimensions
Room 0 : 31.0 X 40.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 40.0
Room 3: 41.0 X 50.0
Room 4 : 51.0 X 20.0
Room 5 : 20.0 X 70.0
Room 6: 10.0 X 50.0

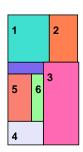


Dimensions	

Room 1: 20.0 X 40.0 Room 2: 20.0 X 40.0 Room 3: 40.0 X 50.0 Room 4: 50.0 X 20.0 Room 5: 20.0 X 63.959 Room 6: 10.0 X 43.959

Room 0: 30.0 X 46.041





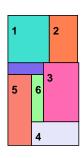
Dimensions Room 0: 30.0 X 10.0

Room 1: 35.398 X 40.0 Room 2: 24.602 X 40.0 Room 3: 30.0 X 70.0 Room 4: 30.0 X 20.0 Room 5: 20.0 X 40.0 Room 6: 10.0 X 40.0

10 of 41 Floor Plans

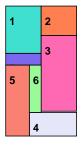


Dimensions Room 0: 30.0 X 10.0 Room 1: 30.0 X 40.0 Room 2: 30.0 X 31.752 Room 3: 30.0 X 78.248 Room 4: 30.0 X 20.0 Room 5: 20.0 X 40.0 Room 6: 10.0 X 40.0



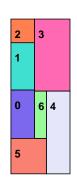
Room 0: 30.0 X 10.0 Room 1: 35.205 X 40.0 Room 2: 24.795 X 40.0 Room 3: 30.0 X 50.0 Room 4: 40.0 X 20.0 Room 5: 20.0 X 60.0 Room 6: 10.0 X 40.0

Dimensions



Difficusions
Room 0 : 30.0 X 10.0
Room 1: 30.0 X 40.0
Room 2: 30.0 X 25.764
Room 3: 30.0 X 64.236
Room 4: 40.0 X 20.0
Room 5 : 20.0 X 60.0
Room 6: 10.0 X 40.0

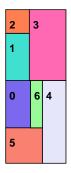
Dimensions



Dilliciisions
Room 0 : 20.0 X 41.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 20.0
Room 3: 30.0 X 61.0
Room 4 : 20.0 X 70.0
Room 5 : 30.0 X 30.0
Room 6 : 10.0 X 40.0

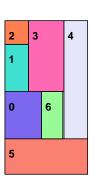
Dimensions

Dimensions

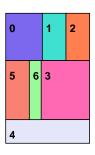


Room 0 : 21.0 X 40.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 20.0
Room 3 : 31.0 X 60.0
Room 4 : 20.0 X 70.0
Room 5 : 31.0 X 30.0
Room 6 : 10.0 X 40.0

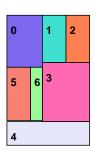
Dimensions



Room 0 : 31.578 X 40.0
Room 1 : 20.0 X 40.0
Room 2: 20.0 X 20.0
Room 3: 30.0 X 60.0
Room 4 : 20.0 X 100.0
Room 5: 70.0 X 30.0
Room 6: 18.422 X 40.0

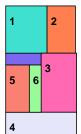


Dimensions
Room 0 : 31.0 X 40.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 40.0
Room 3: 41.0 X 50.0
Room 4:71.0 X 20.0
Room 5 : 20.0 X 50.0
Room 6 : 10.0 X 50.0

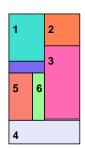


Dimensions
Room 0: 30.0 X 44.848

Room 1: 20.0 X 40.0 Room 2: 20.0 X 40.0 Room 3: 40.0 X 50.0 Room 4: 70.0 X 20.0 Room 5: 20.0 X 45.152 Room 6: 10.0 X 45.152



Dimensions
Room 0 : 30.0 X 10.0
Room 1 : 35.332 X 40.0
Room 2 : 24.668 X 40.0
Room 3: 30.0 X 50.0
Room 4 : 60.0 X 20.0
Room 5 : 20.0 X 40.0
Room 6 : 10.0 X 40.0



Dimensions Room 0: 30.0 X 10.0 Room 1: 30.0 X 40.0 Room 2: 30.0 X 27.021

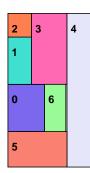
Room 3: 30.0 X 62.979 Room 4: 60.0 X 20.0 Room 5: 20.0 X 40.0 Room 6: 10.0 X 40.0

20 of 41 Floor Plans



Dimensions

Room 0 : 30.0 X 10.0
Room 1 : 30.0 X 40.0
Room 2: 60.0 X 20.0
Room 3: 30.0 X 90.0
Room 4: 60.0 X 20.0
Room 5 : 20.0 X 40.0
Room 6: 10.0 X 40.0



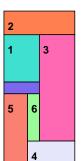
Dimensions

Room 0: 31.804 X 40.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 30.0 X 60.0 Room 4: 20.0 X 130.0 Room 5 : 50.0 X 30.0 Room 6: 18.196 X 40.0



Dimensions

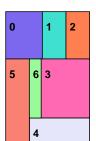
Room 0 : 34.852 X 40.0
Room 1 : 25.148 X 40.0
Room 2 : 20.0 X 100.0
Room 3: 30.0 X 60.0
Room 4: 30.0 X 20.0
Room 5 : 20.0 X 40.0
Room 6 : 10.0 X 40.0



Dimensions

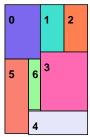
Room 1: 30.0 X 40.0 Room 2: 60.0 X 20.0 Room 3: 30.0 X 90.0 Room 4: 40.0 X 20.0 Room 5: 20.0 X 60.0 Room 6: 10.0 X 40.0

Room 0: 30.0 X 10.0



Dimensions

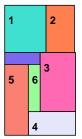
Room 0 : 31.0 X 40.0
Room 1 : 20.0 X 40.0
Room 2 : 20.0 X 40.0
Room 3: 41.0 X 50.0
Room 4 : 51.0 X 20.0
Room 5 : 20.0 X 70.0
Room 6: 10.0 X 50.0



Dimensions

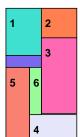
Room 0: 30.0 X 46.041 Room 1: 20.0 X 40.0 Room 2: 20.0 X 40.0 Room 3: 40.0 X 50.0 Room 4: 50.0 X 20.0 Room 5: 20.0 X 63.959

Room 6: 10.0 X 43.959



Dimensions

Room 0 : 30.0 X 10.0
Room 1 : 35.205 X 40.0
Room 2 : 24.795 X 40.0
Room 3: 30.0 X 50.0
Room 4: 40.0 X 20.0
Room 5 : 20.0 X 60.0
Room 6: 10.0 X 40.0



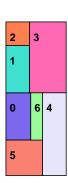
Dimensions

Room 0: 30.0 X 10.0 Room 1: 30.0 X 40.0 Room 2: 30.0 X 25.764 Room 3: 30.0 X 64.236 Room 4: 40.0 X 20.0 Room 5: 20.0 X 60.0 Room 6: 10.0 X 40.0



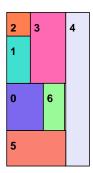
Dimensions

Room 0 : 20.0 X 41.0
Room 1 : 20.0 X 40.0
Room 2: 20.0 X 20.0
Room 3: 30.0 X 61.0
Room 4: 20.0 X 70.0
Room 5 : 30.0 X 30.0
Room 6 : 10.0 X 40.0

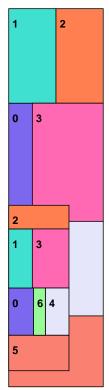


Dimensions

Room 0: 21.0 X 40.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 31.0 X 60.0 Room 4: 20.0 X 70.0 Room 5: 31.0 X 30.0 Room 6: 10.0 X 40.0



1 2 3 3 0 6 4 5





Dimensions

Room 0: 31.804 X 40.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 30.0 X 60.0 Room 4: 20.0 X 130.0 Room 5: 50.0 X 30.0 Room 6: 18.196 X 40.0

Dimensions

Room 0: 20.0 X 55.786 Room 1: 20.0 X 54.214 Room 2: 30.0 X 20.0 Room 3: 30.0 X 50.0 Room 4: 20.0 X 40.0 Room 5: 50.0 X 30.0 Room 6: 10.0 X 40.0

Dimensions

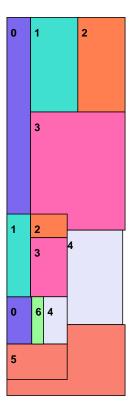
Room 0: 10.0 X 90.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 40.0 Room 3: 30.0 X 50.0 Room 4: 20.0 X 40.0 Room 5: 40.0 X 30.0 Room 6: 10.0 X 40.0

Dimensions

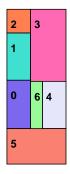
Room 0: 21.0 X 40.0 Room 1: 20.0 X 50.0 Room 2: 51.0 X 20.0 Room 3: 31.0 X 50.0 Room 4: 20.0 X 40.0 Room 5: 51.0 X 30.0 Room 6: 10.0 X 40.0

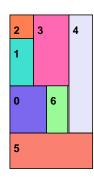
Dimensions

Room 0: 21.0 X 40.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 31.0 X 60.0 Room 4: 20.0 X 40.0 Room 5: 51.0 X 30.0 Room 6: 10.0 X 40.0



2		
1	3	
0	6	4
5		





Dimensions

Room 0: 10.0 X 130.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 40.0 Room 3: 40.0 X 50.0 Room 4: 25.186 X 40.0 Room 5: 50.0 X 30.0 Room 6: 14.814 X 40.0

Dimensions

Room 0: 21.0 X 40.0 Room 1: 20.0 X 70.0 Room 2: 31.0 X 20.0 Room 3: 31.0 X 50.0 Room 4: 20.0 X 40.0 Room 5: 51.0 X 30.0 Room 6: 10.0 X 40.0

Dimensions

Room 0: 20.0 X 45.421 Room 1: 20.0 X 44.579 Room 2: 50.0 X 20.0 Room 3: 30.0 X 50.0 Room 4: 20.0 X 40.0 Room 5: 50.0 X 30.0 Room 6: 10.0 X 40.0

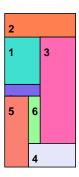
Dimensions

Room 0: 20.0 X 41.0 Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 30.0 X 61.0 Room 4: 20.0 X 40.0 Room 5: 50.0 X 30.0 Room 6: 10.0 X 40.0

Dimensions

Room 1: 20.0 X 40.0 Room 2: 20.0 X 20.0 Room 3: 30.0 X 60.0 Room 4: 20.0 X 100.0 Room 5: 70.0 X 30.0 Room 6: 18.422 X 40.0

Room 0: 31.578 X 40.0



Dimensions

Room 0: 30.0 X 10.0 Room 1: 30.0 X 40.0 Room 2: 60.0 X 20.0 Room 3: 30.0 X 90.0 Room 4: 40.0 X 20.0 Room 5: 20.0 X 60.0 Room 6: 10.0 X 40.0