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An experiment using scale models was carried out to know the considering items which decide the furniture layout.

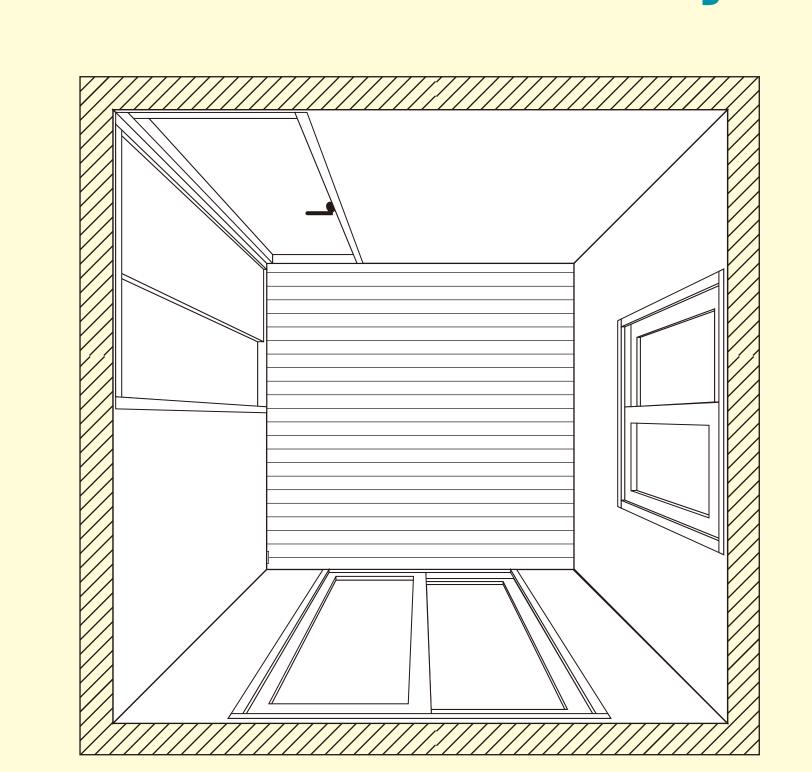
The subjects of the experiment were asked to make the best circumstances using the prepared furniture in the indicated rooms.

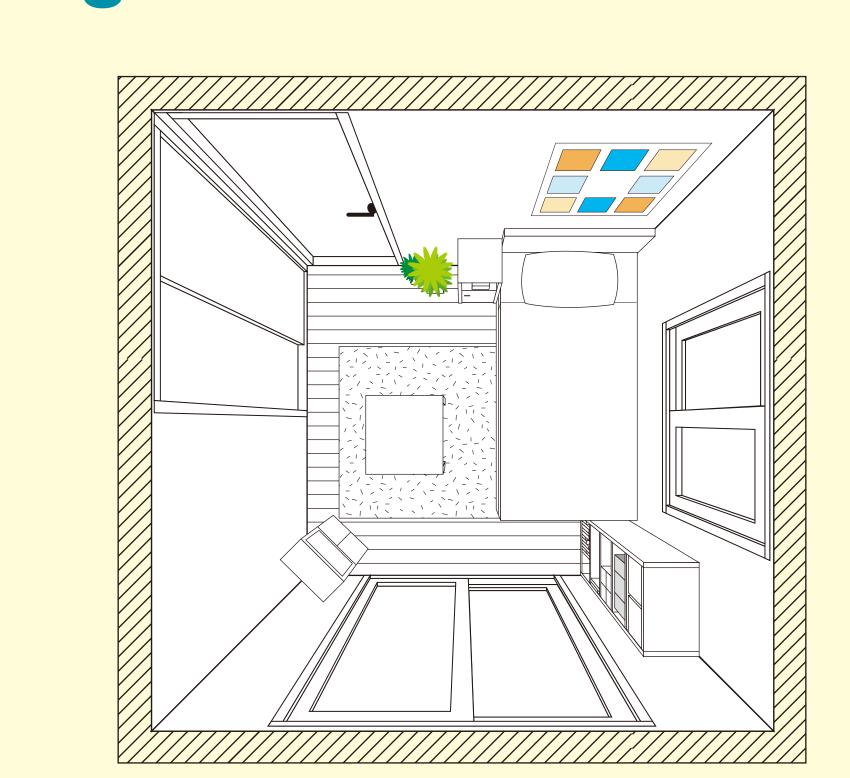
The subjects explained the reasons why the furniture was there each time they finished laying furniture. The reasons were divided to five major categories, Function, Environment, Atmosphere, Fitting and Remainders.

We fount out the difference of the mainly used reasons among the furniture based on this category.

Furthermore, three spaces of behavior, the working space, the relaxing space and the dressing space, were found in the analysis of the relation of the furniture

■ Which is easier for you to imagine the life in the room?



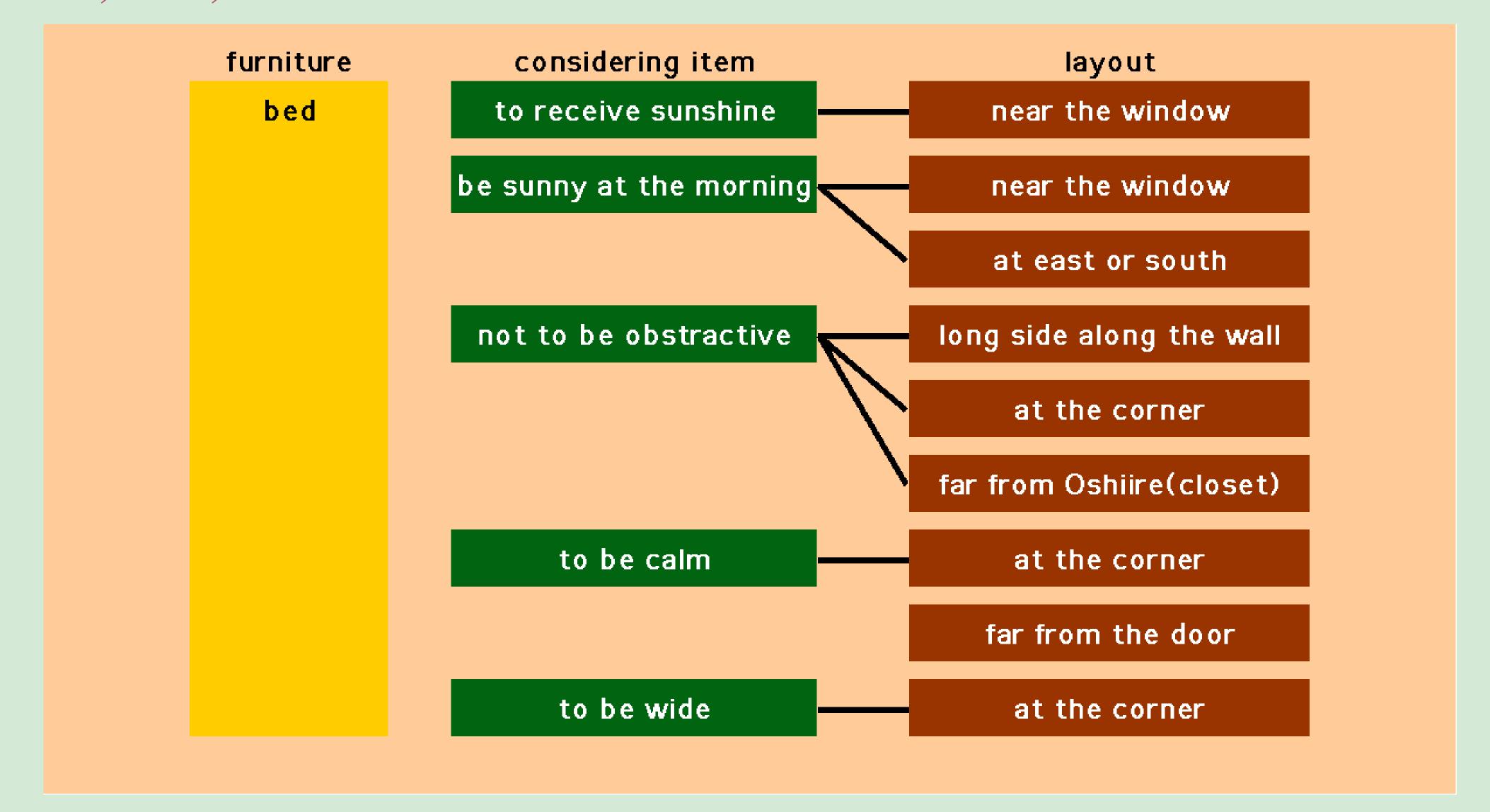


I believe the right one is much easier.Life relate with the room with furniture.

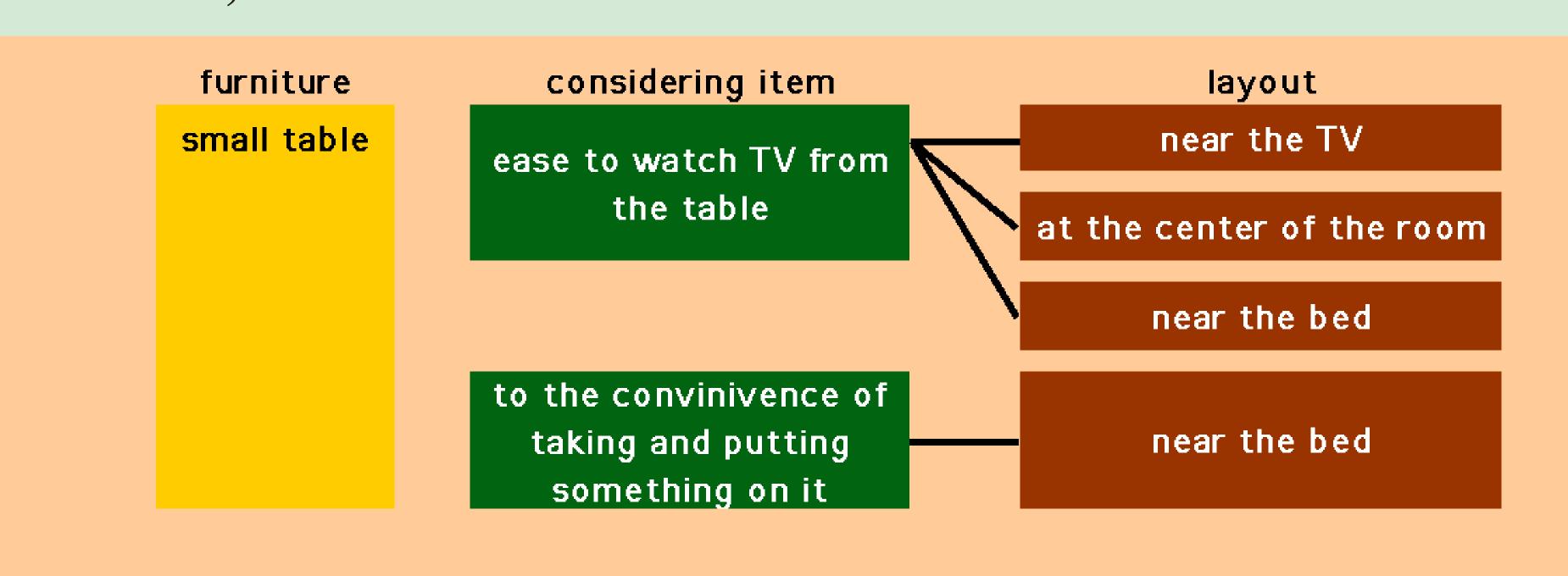
→There is a value to know the relationship of the furniture layout and a room

■What is considered when they lay furniture?

- The furniture mostly relate with the room element
- bed, desk, closet etc.

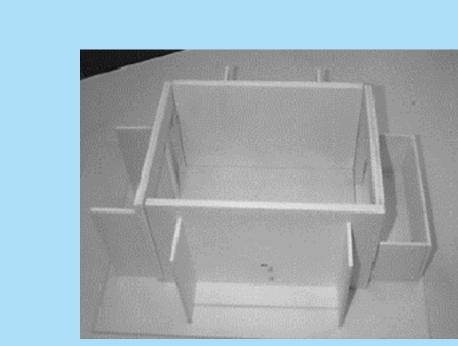


- The furniture mostly relate with the other furniture
- small shelf, small table etc.

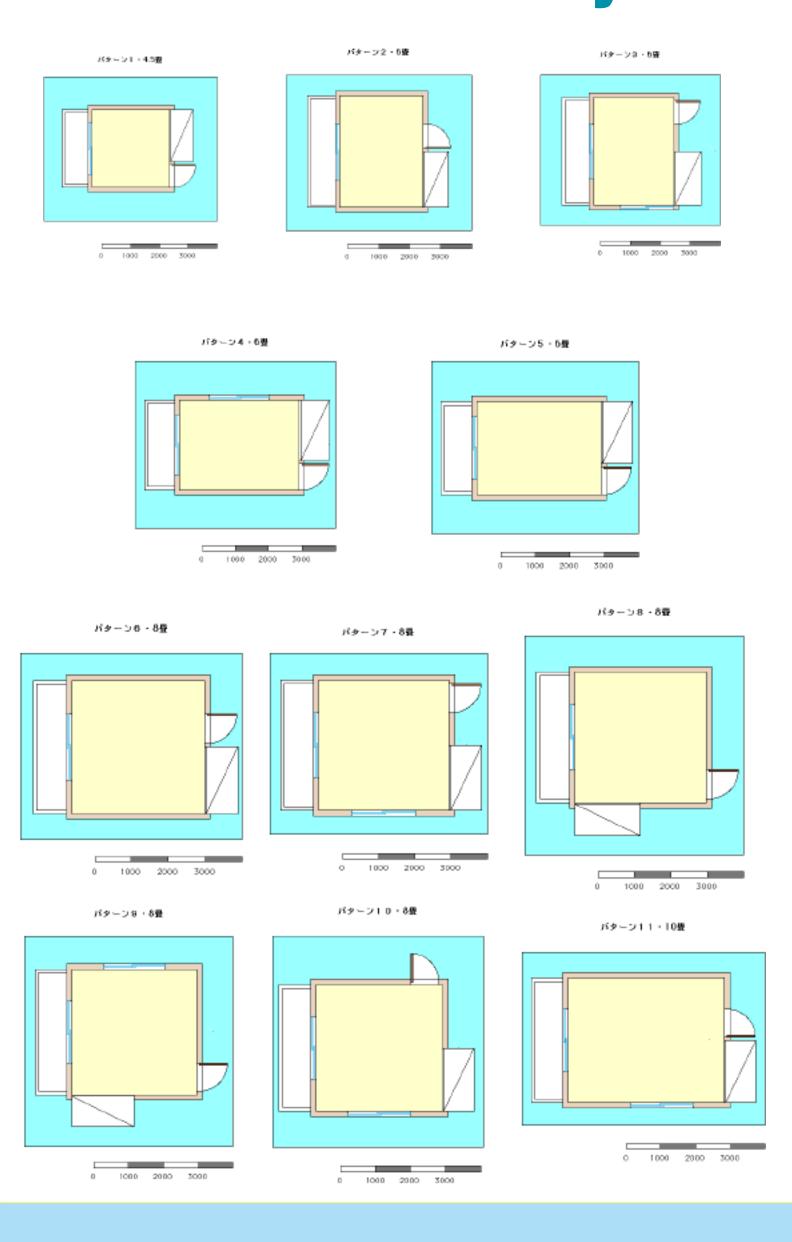


■Please lay these furniture to this room on the way it would be comfort for you

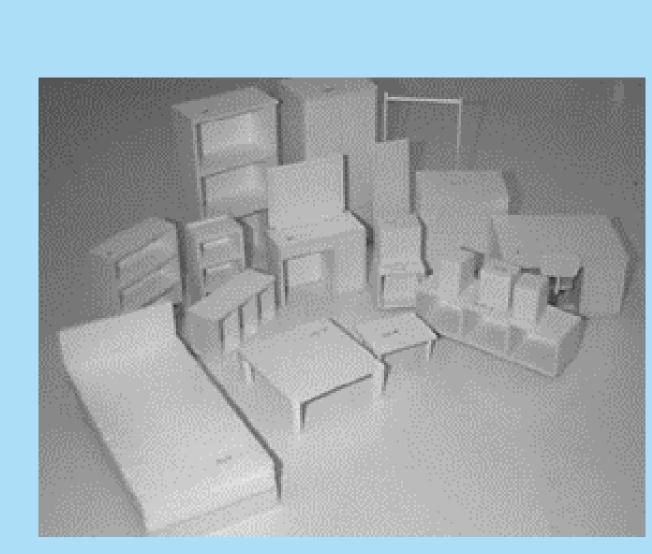
• Models of the room



- -Eleven patterns of the room
- -W:2.7m by D:2.7m to W:4.5m by D:3.6m
- -The room has a door, an oshiire
- (Japanese style closet), and a veranda at south of the room
- The subjects lay furniture to six rooms of these eleven pattern



• Models used in the experiment



furniture	Width I	Depth 1	Height
1 bed	990	2040	700
2 desk	1200	900	700
3 chair 5	50	550	780
4 bookshelf	920	480	1830
5 shelf	830	300	970
6 small shelf(vertical)	460	330	890
7 small shelf(horizontal)	890	330	460
8 table	900	900	350
9 small table	600	450	330
10 wardrobe	850	600	1800
11 chest	900	610	900
12 hanger rack	830	420	1640
13 mirror	900	30	1200
14 dresser	900	400	1330
15 AVboard	1500	450	430
16 compornent stereo	300	230	330
17 speaker(2)	230	260	330
18 television	400	430	400
19 television rack	450	450	430

Five categories of the considering items described by the subjects

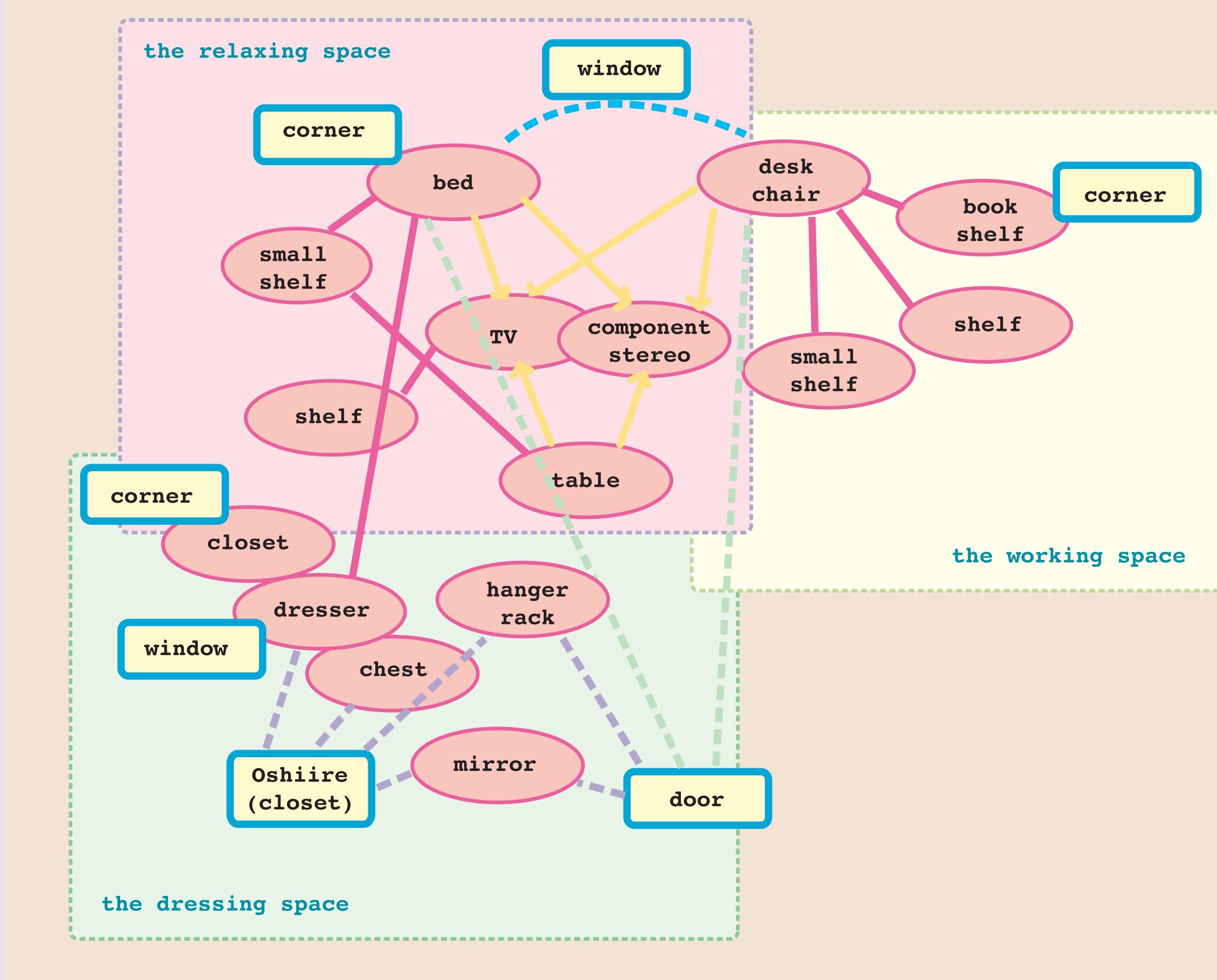
Category		
Level1	Level2	
Function	to ease access not to obstruct to ease activity to ease of relaxsing to ease of dressing to use space effectively to ease to watch TV sound goodness gathering the related items remainders	
Environment	brightness be sunny not to expose sunshine ventilation to be able to look outside not to close the window dust remainders	
Atmosphere	organized unified good balance to feel the room spacious not to feel oppressive peaceful calm to be looked,not to be looked not to be attention distracted not to be cheerless to be looked nice enough space to lay remainders	
imagine	superstition considering temporary using remainders	
Fitting	remained space considering the layout of the other furniture	
Remainders		

Considering the Function mainly at all furniture

Environmental items are considered at bed and desk

Large furniture should be at the corner

Three areas in the room



- The room has only one window can't satisfy you, if you like brightness at the bed and desk
- Large furniture should be filled in the wall
- It is recommended to make three area when you lay furniture in your room

The future of this study

- The analysis of the place the furniture is laid (considering items ←→ the layout ←→ the room elements)
- The evaluation of the layout
 The satisfaction grade tells us the variety is
 essential or not
- The investigation of the student's room To compare the actual with the desirable one It is useful to change the room to desirable

The sugestion of the most satisfied room patterns
 →It is useful to design the dwlling unit of

→It is useful to design the dwlling unit of apartment house

