**Assignment 1**

**Transcribed by** [**TurboScribe.ai**](https://turboscribe.ai/?ref=docx_export_upsell)**.** [**Go Unlimited**](https://turboscribe.ai/subscribed?ref=docx_export_upsell) **to remove this message.**

Okay, try to. Okay, so we have to create zones. And zones should be as large as possible, so a zone can never be a subset of a larger zone.

Zones shouldn't maintain a space of continuity, therefore zones can only be cuboid. Zones may not intersect divide spaces, so only combine spaces. A zone design consists of a BSD volume, that means that in a zone design every space in the BSD should be included in one of the zones.

So we can do 4 and 5. And we can do 4, 5, 6. Uh-oh, a zone should be large as possible. Wait, wait, wait, wait. I can delete one.

We create 4, 5, 6. Create zone 7, 9. Yes, 7, 10. Now we can do, wait, we have to delete two. We can create 7 and 10.

Yeah, 1 and 2. 8 and 9 can go together. Why is it, why is 4 divided? Should maintain space of continuity. It can never be a subset of a larger zone, never be a subset of a larger zone.

We can do 7 and 8. We can do 1 and 6. 2, 4, 5. 2, 4, 5. And there. What can we do more? What if we do 1, 2, 4, 5, 6. 8, 9 we already have. Yeah, 8, 9. 7, 8. Already have.

I think that's it. Zone designs. Okay.

So for the zone designs we should use every space. But zone designs consists of the whole volume. Okay, okay.

So 10 on it's own should be a zone. 3 on it's own should be a zone. And I think that's it.

So if we want to create combined zones. With every space should also be a zone. I'm overthinking it.

So we can include zone 1. 3. Zone 2. 3. And those one. 4. 10. Yeah.

I think we have. From all those I think. You can make.

Um, wait. 6, 7. 9, 10. And we still need 4. Um, let's think, let's think.

I think that's. Is that it? Yeah, we can create a zone from. 9. Create a zone design for.

Use 5. 11. 10. 11.

Then we need 8. And 9. I think there should be other ways to use it, but I think it's more or less. This. Um.

Which one would I like? I would like to use an. Oh. Whoops.

One is without some rooms. I would continue and go for. Yeah, we go for 1. Because it's most divided.

It has the most amount of blocks. From every zone design a certain design can be made. This time pick one zone based on the expected structural performance of the corresponding structural design.

Say out loud what your reasoning is. Um. Okay, if we have to make a design for it.

What should be the difference between 1 and 3? Um. Is there really much a difference? If we take the. I think 1 should be the easiest because you can use.

Timber beams or beams. At. The first floor height.

And with the difference these signs, I think that's the biggest difference in design, otherwise it's the same length, same width. It's only split in multiple levels, so if I had to choose, I would pick the first one. Step 4. Adapt the BSD to create a new BSD you desire with max 10 modifications.

You can do this by adding, deleting, moving and resizing spaces. In the next step you can try to find all zone designs for your new building spatial design. Say out loud everything you think and do.

Adapt the BSD to create a new BSD you desire with max 10 modifications. You can do this by adding, deleting, moving and resizing spaces. Add, delete, move, resize.

Okay, okay. Okay, what I'm going to do. I'm going to make one on top of 4. And I'm going to make one on top of 4 and one next to 6. Okay, so I want to make a new space.

Space 1, size of 6, 20 and 30. X, Y, Z. X, Y, Z. 1 is 30. So I want one of 30, 60, 60, 30.

The space is going to be added on top of, let's say 4. So it's going to be at 60, 0, 60. Yay! So we have a little, let's call it watchtower. And then I want to add a bigger one on top of 3. So we take the size of 6. That is 60, 120 and 30.

And put it at, so it is at, so the X should be 0. The Y should be, is it, wait, wait, wait. 120. 120 and that one should be 30.

Yes. I think that's it. Let's go to the next step.

I'm pretty sure they don't overlap or are detached. So yes. Uh-oh.

Uh-oh. Okay, okay. It's hard to find all sound designs for new, oh.

Why did I do so much random spots? Um. Okay, so. We have 1 and 2. We have 4, 5, 6. We have 4 and 11.

We have 4 and 5. We have 6 and 12. We also have 1 and 6. We have 8 and 9. Or did we already have that one? 8 and 9. 7 and 8. 3. 3. We have 10. Uh, yeah, what do we have more? 7 and, uh, wait, 8. I have to think that I miss a lot more.

Right here. Oh, it's gonna, it's so slow. 2. 5, 4, 2. Yeah.

And. 8, 10. 7, 10.

Okay, we're gonna create some. Create some design. Uh.

We're gonna do 7. Then we combine it with 9. We need a combined of 10. So 12 and we need. Create a zone and the zone is 11.

So we're gonna pick. 13. 1, 2. 13, 1, 2. Oh, I need to find them all.

Why did I make it so difficult? Uh. Is it 1 and 6? Yes, okay, okay, okay. Uh.

So we take 9. 11, 13. Then also. 9, 11, 13.

14. All of those. And we need 12 as a different zone.

15. Yeah, 15. Then we still need 7. And.

12. Oh, it's getting so little. Um.

If we use that one. I can combine it with anything. Oh.

My human brain. Okay. We need 15.

We need 9. We need. The 10 is really difficult too. So we're gonna use 12.

So we have the 10 included. We did that. But we're gonna make the same one.

Oh. With this one. We also have to.

Top this one. If I create a zone of. 9.

**This file is longer than 30 minutes.**

[**Go Unlimited**](https://turboscribe.ai/subscribed?ref=docx_export_upsell) **at** [**TurboScribe.ai**](https://turboscribe.ai/?ref=docx_export_upsell) **to transcribe files up to 10 hours long.**