**Room 1-20240430 171835-Meeting Recording**

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Coding and transcribing, assignment 2. 2, assignment 2, let's see, assignment 2. Okay, start, let's see. Formal stabilization assignments, moment to do a design task. What did I just say? I lied, which I didn't, okay.

Need to stabilize this building. Constellation, stabilization method. Beams, beams to solutions.

Okay, road or beam can be added, okay. Destruction, displacements of constraint. Okay, let's see.

Oh, these are all words, okay. And minimal, I need to use minimal structural adjustments. I'll place the main, members to place, I'll place one, seven, nine.

Okay, that's a beam, okay. Oh, if I add a road, okay, one, five, six, seven. Oh, of course, okay, there's a beam.

Destruction, I'll replace the horizontal bars, or roads that attach to this beam. Also, I mean, I'll replace the roads that are attached horizontally to this beam as well, but this one, 90 and then 79. This is not stable, that's hinged, yes.

And I'll add a road in those two directions. Okay, let's see, wait. Just, it's gonna take more than a minute.

But it cannot take, oh, I'll add a road between 144 and 217, okay. 44 and 217, I'm gonna change the direction. One, four, seven, I'll also replace the corner roads by beams together.

One, four, seven. I'll add a road diagonally between two and five, and one, four, six, two, six, seven, four. That's the way I think.

Oh, I think I should, maybe I need to create a port on this portion. Can I change them? Oh, yeah, of course. I think I'll just, I don't know what the amount of, it's been more than a minute.

Oh, and of course, basins, and we'll see. And it's not allowed to span diagonally through the interior of the road, and then all those beams, wait, how do they, what, how should it not span, oh, like this, like one, four, four, and two, six, four. Wait, how? Between like one, nine, eight, and one, seven, five? One, eight, and one, seven, five, is that possible? Oh, that should not be the case, okay.

It should not be spanned diagonally through the interior of the road, okay, that's not. I need to add more work, I need to delete it, two, six, nine, eight, nine, eight, nine, eight, nine, four, five, four, three, two, one. Okay, let's see, I'm gonna just place all those five beams.

One, four, five, as well. And then put them in the middle, so I've changed this. I'll also place these spa beams.

So there will be numbers two, two, seven, two, one, 12, two, two, seven, two, one, 12, and let's see. Yeah, that's my question. One, five, seven, one, six, nine.

Okay. Oh, these are all worlds, right? Yeah, that's not. One, five, seven, all the bottom.

And then I'm gonna add like diagonals, oh wait, one, five, three, those large beams. Those I'm gonna, also worlds I'm not going to take. I think it needs to be beams as well, not worlds.

One, five, four, for example, and the last other one, two, four, one. Two hundred and one, five, three, two. Two hundred and one, one, five, three, nine, let's see.

What else can I do? Two, three. Maybe these large beams in the middle, two, five, and two, one, five should also go. As well as two, three.

So I don't know how many changes it can go. Oh, displacements are anyways. Oh, displacements are constrained.

So, but there are still moments at the top. If I connect the world to a beam, then it's a fixed connection because of the beam, and then the moments will be constrained. But at the top, I need to have beams horizontally and vertically, like columns and beams.

And I do want some stability rules in here, so like for a slope. Judging by the rules, I'm going to change them into worlds as well. Beams to one, six, eight.

See, this one has to be placed anyhow. Two, five, five, and three, four, six displacements. Same goes for the other side.

So that's two, five, five, and two, three, eight. And two, three, eight, these are also placed. Two, five, five, and two, five, one, and one, nine, six.

Two, five, one, and one, nine, six. Come on, brace it slow. Then to ensure stability here, six.

Yes, and then here as well. Three, four, and three, two. Three, two.

I think that entire side has to be beams with a large overspan. And as it's connected to the main building, so to say. And then the in-between members can be ropes.

So two, five, and two, one, five. That means that I need to replace ropes one, nine, eight, and one, nine, seven by beams. So like this, it's also symmetric.

Oh, wait, I need to add ropes between two. Two, 30, and one, four, six. Oh, no, no, no, wrong rope number.

Wait, which number is this? Two, three, four, and two, three, four, right? Two, three, four, and two, 30. Two, three, four, and two, 30. Okay, then I work between two, 30, and two, 46.

Okay. Okay, then I need a rope between two, four, six, and two, four, nine. Two, four, six, and two, four, nine.

So the entire outer edge is now stabilized. And I'll add another rope to transfer these forces to the ground between two, four, nine, and one, seven, nine. Two, four, nine, and one, seven, nine.

It's okay. Now at the top, I need to see how it works. I think I'm going to make one of the beams at the top, like the ropes at the top of the beams.

So one, four, two, and one, six, four. One, four, two, and one, six, four. One, four, two.

One, four, two, and one, six, four. It's now somewhere. Yeah, well, all the ropes are going to be beams.

One, eight, five, one, eight, six. One, four, two. One, four, seven.

No, it's a column, right? Two, seven, six. Seven, eight, one, six, one. One, six, one.

One, five, seven. One, nine, one. Oh, I have the one, five, five suddenly.

Okay, so all the outer edges of the top parts, top floor, are beams now. And the columns need to be beams as well. So one, five, seven, one, six, one.

Seven, one, 60, then. One, nine. And of course, the other one is overworked.

And then I need to brace those elements in between. So two, seven, four, one, five, six. Two, seven, four, one, five, six.

One, five, six, and two, seven, six. Six, two, seven, six. Eight, nine, one.

Four, seven, and one, six. Four, seven, one, seven, six, one. Oh, no, no.

Oh, wait, yeah, that's correct. One, seven, six, and two, seven, five. One, seven, six, and two, seven, five.

No, so that part is fixed. Oh, no, I don't need that one. Of this book, some of them are made new, so I'm going to see if they're on this.

Okay, maybe I do need to brace the elements. Two, seven, five, two, seven. Two, 70, two, seven, four.

Two, seven, two, two, seven, four. Five, six, eight, nine, 10, 11, 12. I'll just use it again.

Two, seven, five, six, yes. And this, I think, should be stable as it is now. Oh, maybe I need, I'm not sure if I need to brace this, So I just go to columns, maybe at the bottom.

240, 143, then 1432 is, what's the number? 237. I think it's now sufficiently stable, oh no, wait. Oh, I'm between 241 and 240, 241.

Yeah, okay, so I think this is fully stable. I should go into calculate, if it's stable or not. Oh, okay.

I like that one, and I like that one. And then, well, it's for a 90-degree angle, so I have a little posture for reference. I'm not doing anything usable.

But maybe, yeah, so there you go. Yes, I want to go up a little bit. I'm going to do this.

There we go. Yes, I think we have to go back. And, okay.

Okay, I think I want to submit something. Maybe I'll just submit a video or anything. Yes, yes, thanks for that, very good.

And I'm going to submit a video. Okay, I'm going to submit a video. Thank you so much, that was so fun.

And Brian, thank you so much for doing this. Thank you. Well, that's the end of my presentation for today.

I'm sorry. I'm going to go to the next. And I have a few more questions.

Okay, now I don't have any more questions. I'm going to go to the next one. Yes, you can just go to the next one.

Three different questions. I'm going to go to the next one. That's it.

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