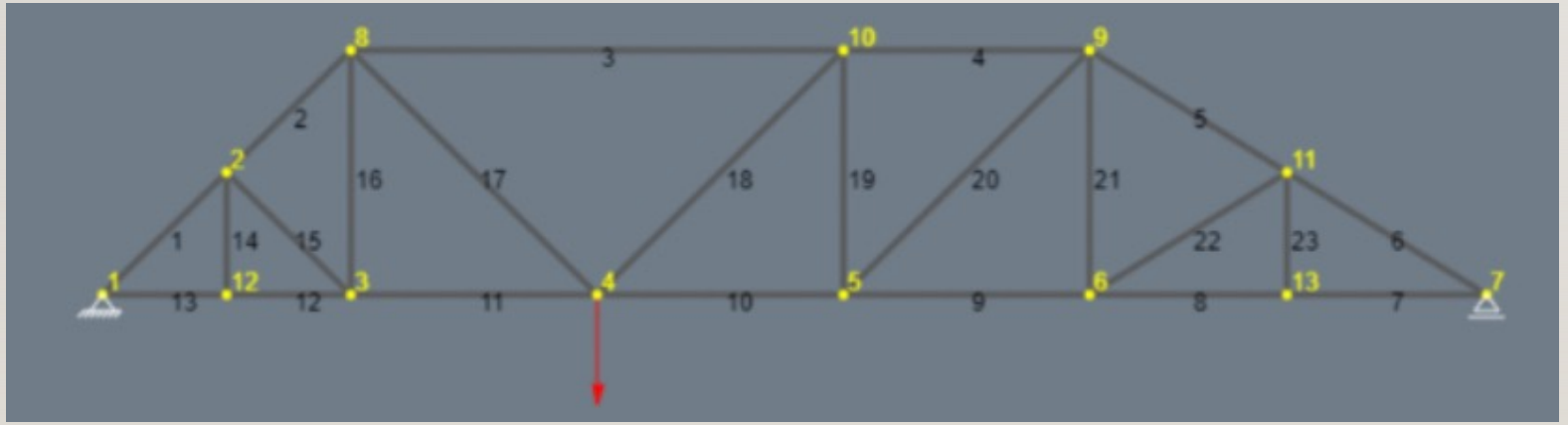
II. DESIGN PROCESS

In testing and calculations we saw that what later became known as member CD would be the most likely break point on our truss (the breaking point in our initial testing). So, we decided to make it wider, and this increase in cross sectional area means that it will now take a greater force to break it. In addition to that change, we decided to add a couple members on the right to avoid too many long, thin members (which would be more likely to break). We also added a vertical beam on the right middle, which the calculations showed made the truss stronger. Our second design is below.



*Screenshot taken from the software: https://valdivia.staff.jade-hs.de/fachwerk_en.html