Exercise 1 (Mandatory). *stuff*

> **Answer**
>
> Behold:
>
> | 8 | 10 | | | | | | |
> |---|----|---|---|---|---|---|---|
> | | 5 | 5 | | | | | |
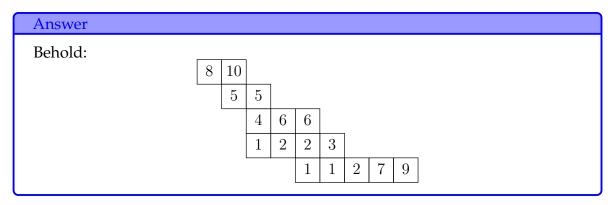> | | | 4 | 6 | 6 | | | |
> | | | 1 | 2 | 2 | 3 | | |
> | | | | | 1 | 1 | 2 | 7 | 9 |

Exercise 2 (Exercise 3). Suppose λ/μ is a horizontal strip of size $n = |\lambda| - |\mu|$ consisting of rows of lengths $\alpha_1, \alpha_2, \ldots, \alpha_k$. How many *standard* Young tableaux are there of shape λ/μ?

> **Answer**
>
> Recall that any horizontal strip has no blocks on top of each other. In this sense the only order that matters is left-to-right.