

Riga Technical University  
Faculty of Science and Knowledge



Modern Scientology  
*Laboratory work*  
Deducing whether the chicken or the egg

Bebek Bebekov  
1. group  
000KEK000

Kekek Kekekov  
2. group  
000LOL000

Riga, 2023

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# 1. Introduction

You can use bibliography in any section you want, for example, [1] and [2].

You can also show your code with highlighting and line numbers:

```
1  #include <torch/torch.h>
2
3  struct Net : torch::nn::Module {
4      Net(int64_t N, int64_t M) {
5          W = register_parameter("W", torch::randn({N, M}));
6          b = register_parameter("b", torch::randn(M));
7      }
8      torch::Tensor forward(torch::Tensor input) {
9          return torch::addmm(b, input, W);
10     }
11     torch::Tensor W, b;
12 };
13
14 int main() {
15     Net net(4, 5);
16     for (const auto& p : net.parameters()) {
17         std::cout << p << std::endl;
18     }
19 }
```

## 1.1. Heading level 2

### 1.1.1. Heading level 3

## Bibliography

- [1] F. Bar, “Where the wild things are.”, *J.P.B.*, 2010, doi: 10.1.1/jpb001.
- [2] I. S. Shaw, *What is an Intelligent System?*, vol. 457. Boston, MA: Springer, 1998. doi: 10.1007/978-1-4757-2813-2\_1.