

Exercise 1. (*Graph theory*)

Read section 2.2, pages 5-7 of [1]. Have a look at the graph shown in Figure 1.

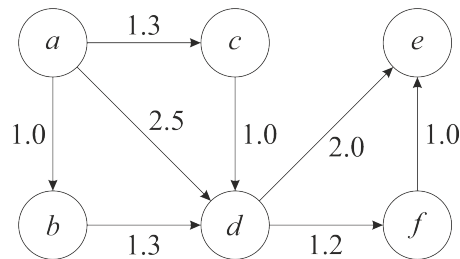


Figure 1: Graph example

- a) Apply the definitions and terms from the thesis to the graph given in Figure 1.

References

- [1] B. Alrifaae. *Networked Model Predictive Control for Vehicle Collision Avoidance*. PhD thesis, RWTH Aachen University, 2017.