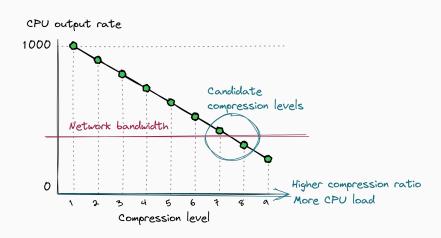
# Research internship:

# Dynamic compression rate over TCP connections

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### CPU load vs network bandwidth



## Questions

#### Partially explored already:

- How to get an accurate estimation of CPU output rate?
- How to get an accurate estimation of network bandwidth?

#### Unexplored:

- How to react quickly to network bandwidth variation?
- How to take into account CPU load induced by other processes?

#### Other context info

- **Preliminary implementation** in a network filesystem we are developing.
  - Conference paper submitted to **USENIX FAST'22** but adaptive compression was a marginal topic of this paper.
- This preliminary implementation is quite naive:
  - it does not answer all questions
  - its performance was not much tested
  - it was not compared to other research proposals

## Questions?

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