

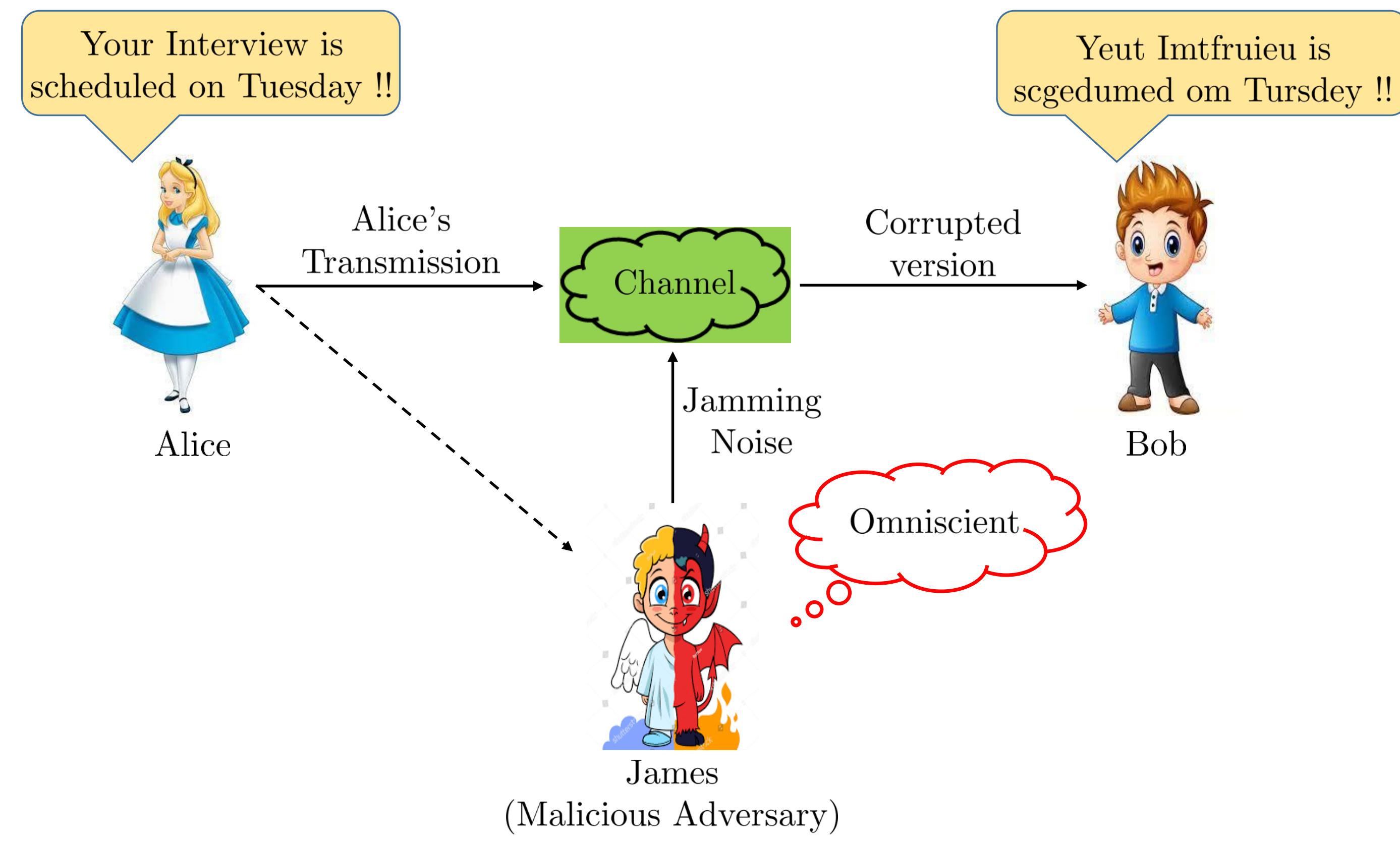
# RATE POSITIVITY FOR ARBITRARILY VARYING CHANNELS

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at

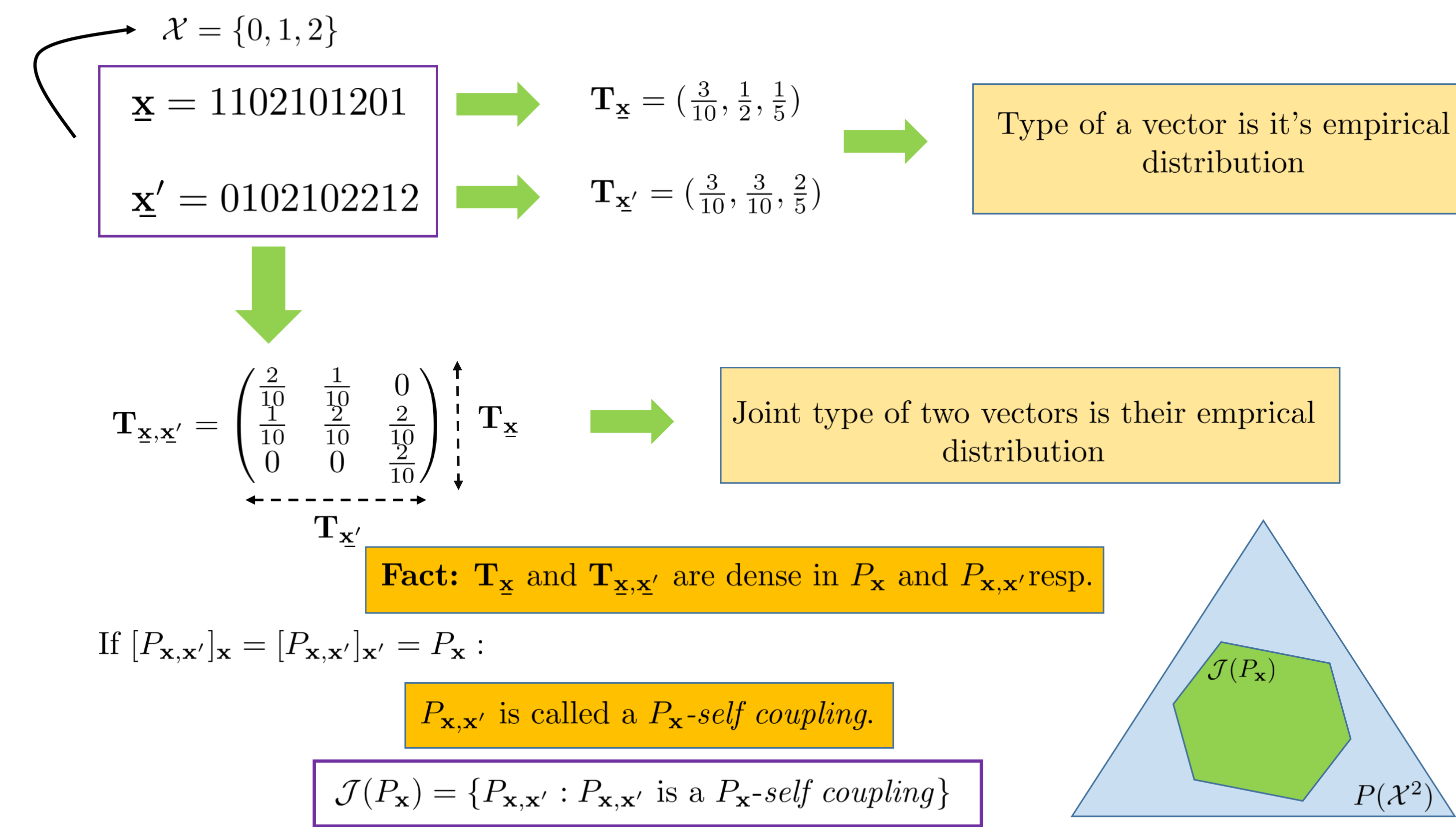
2021 Croucher Summer Course in Information Theory



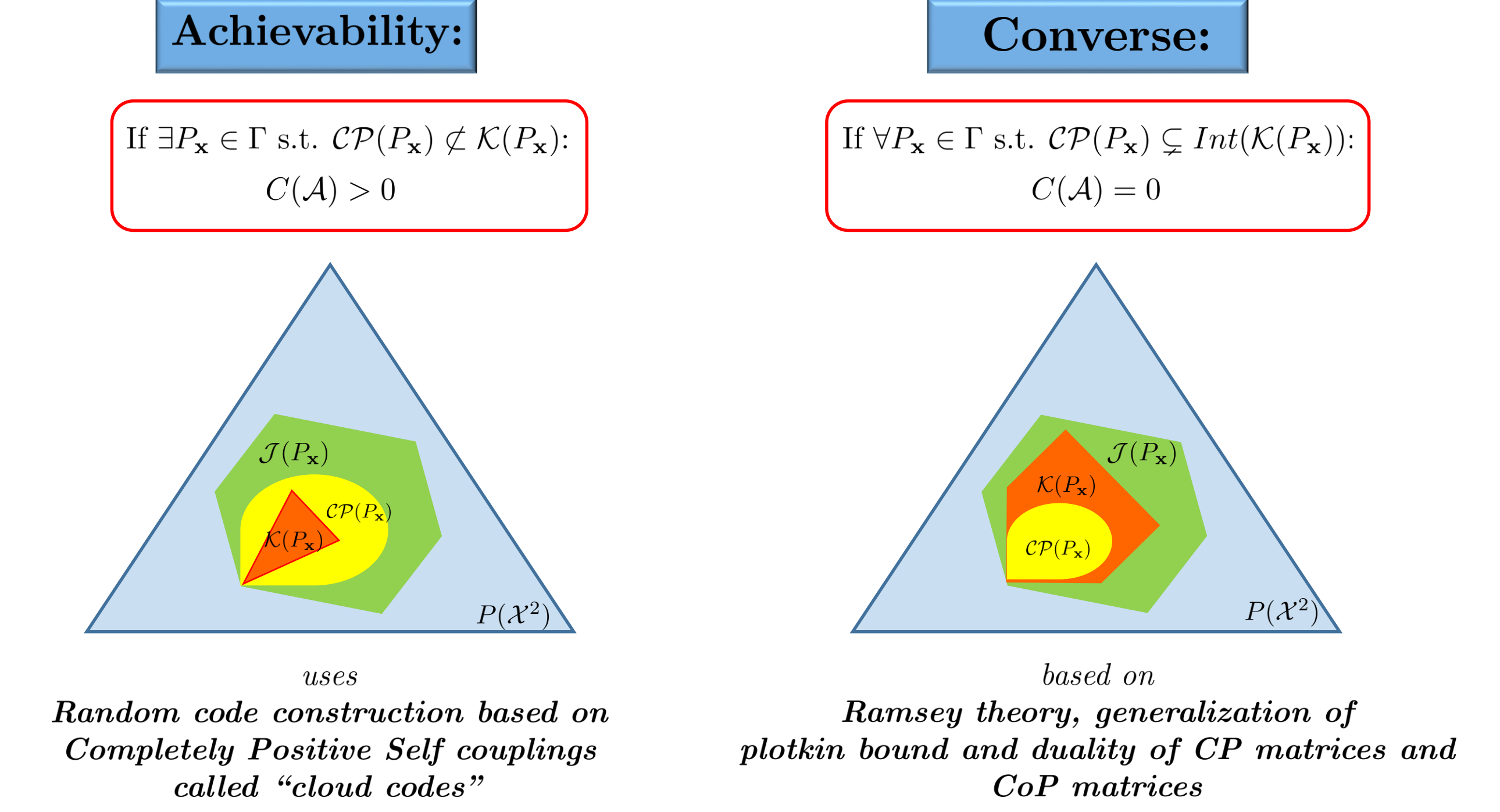
## Adversarial Communication Problem



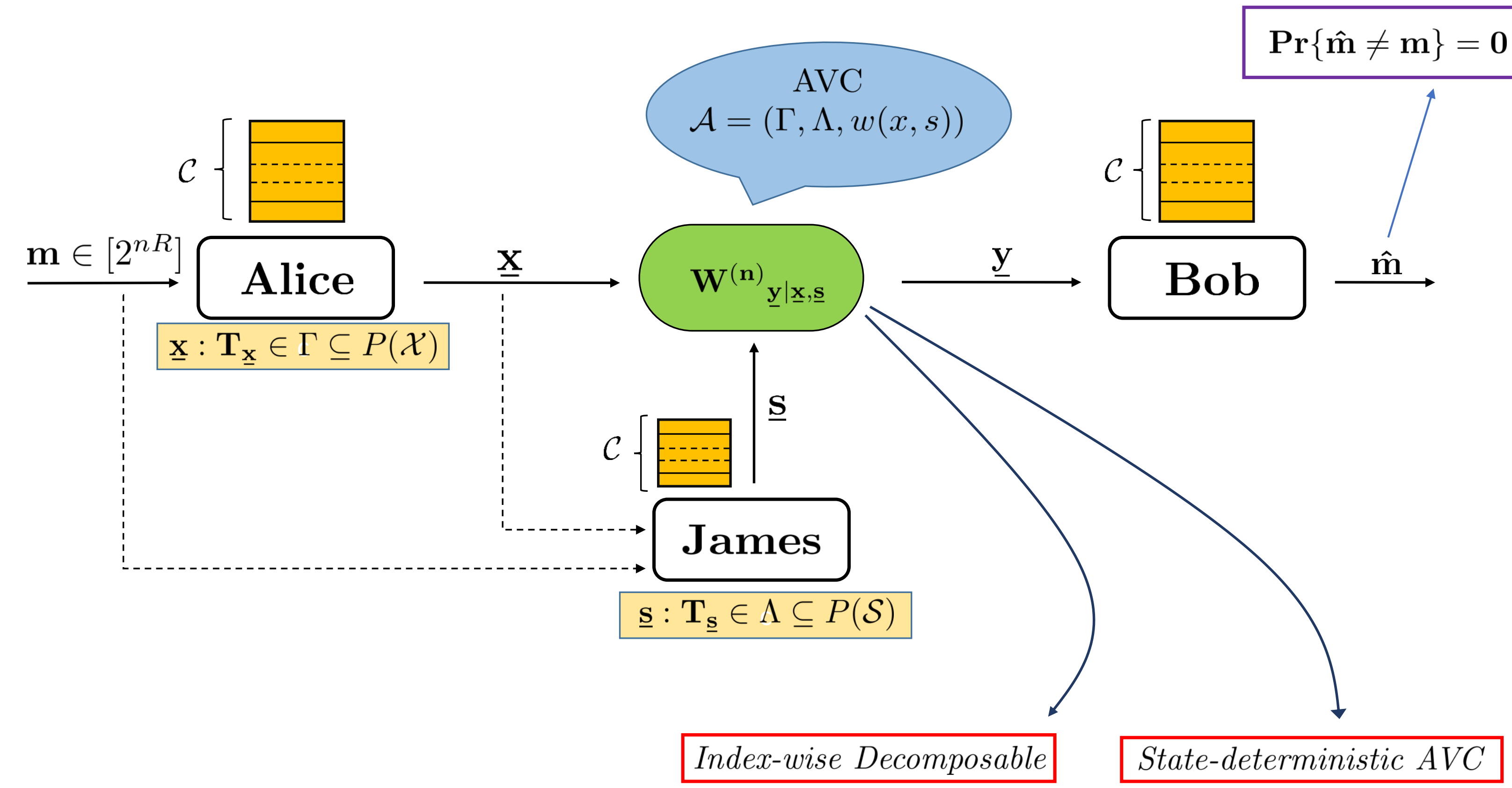
## Self couplings



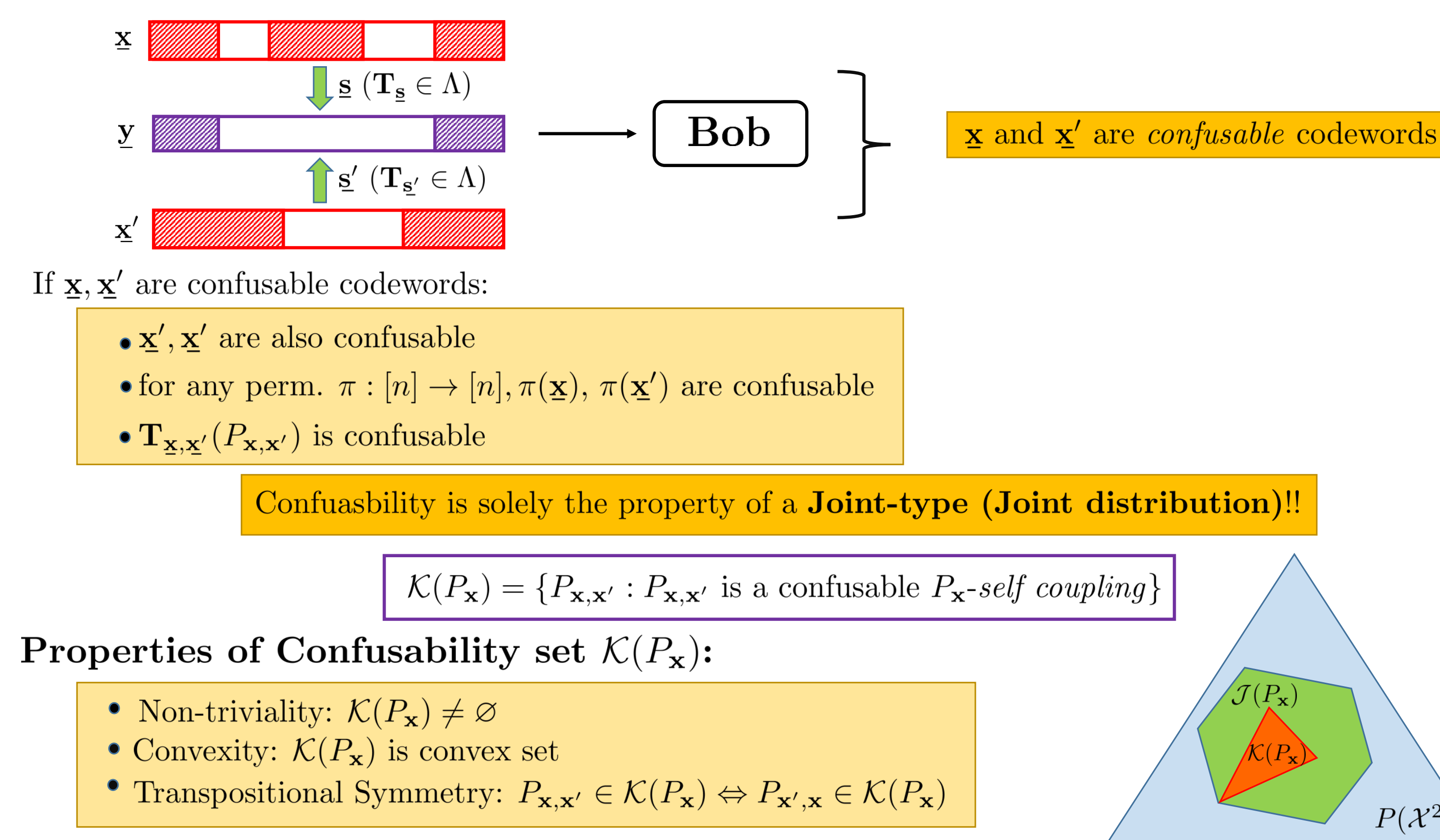
## Main Results



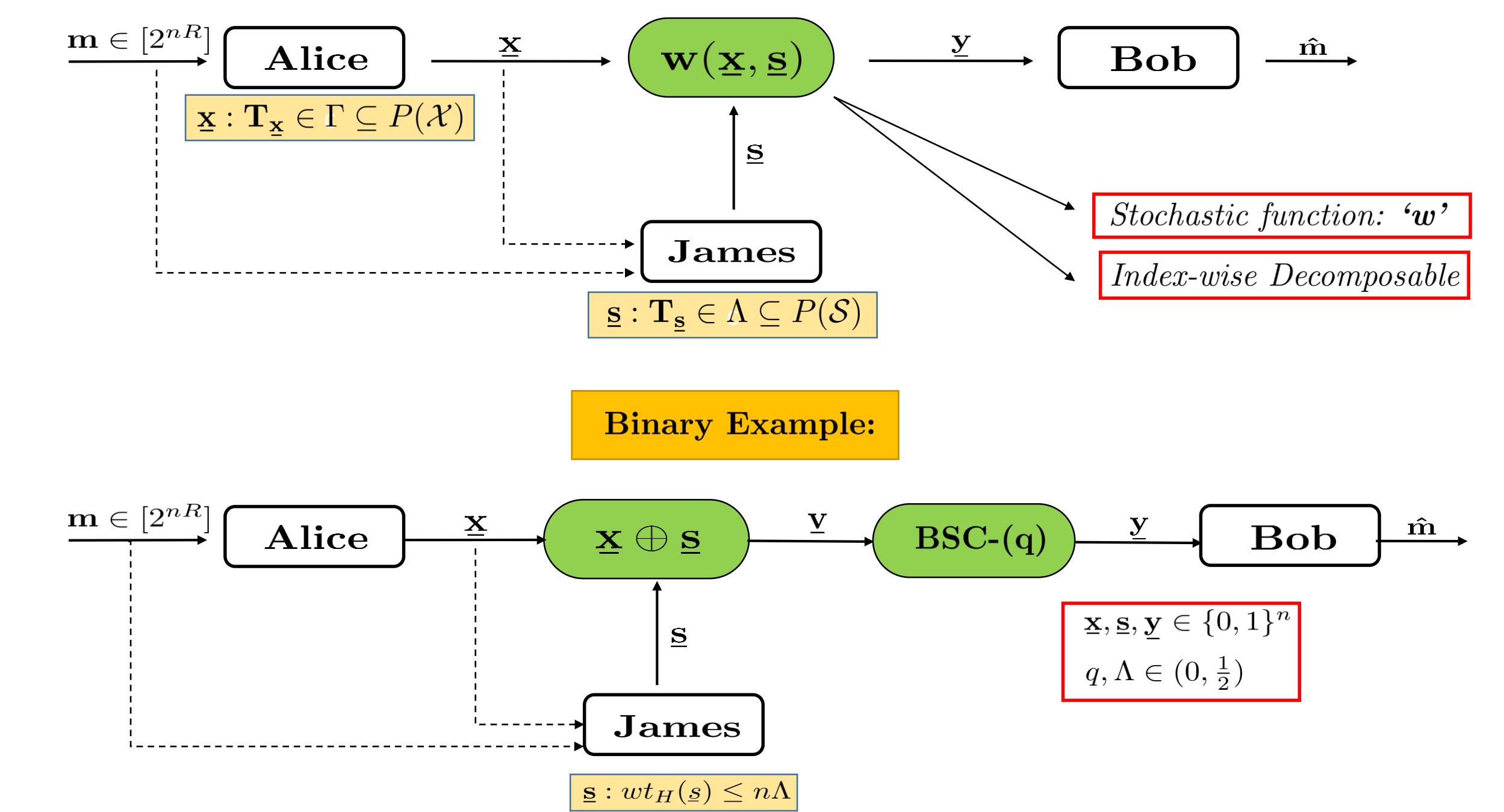
## Problem Setup



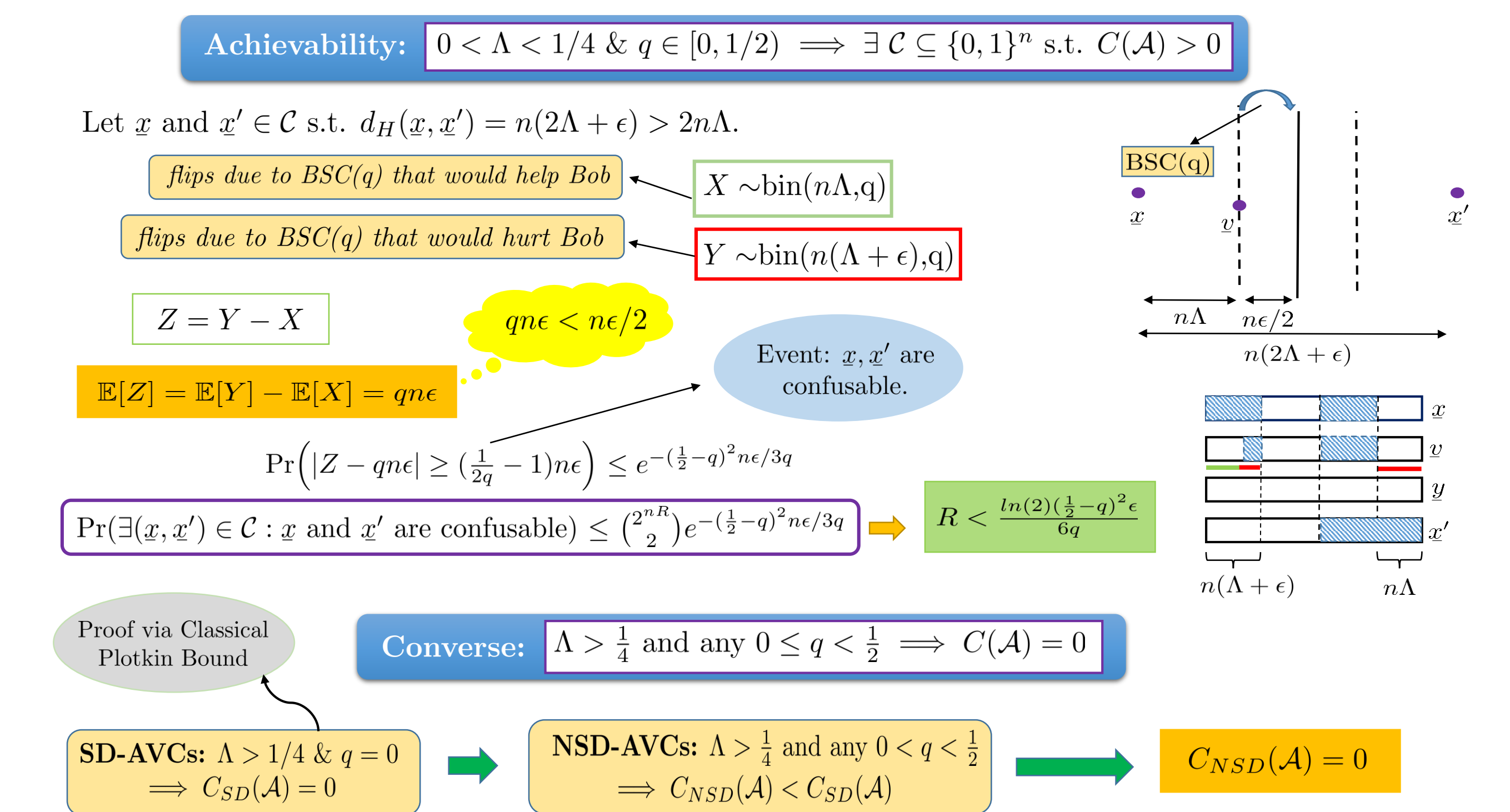
## Confusability



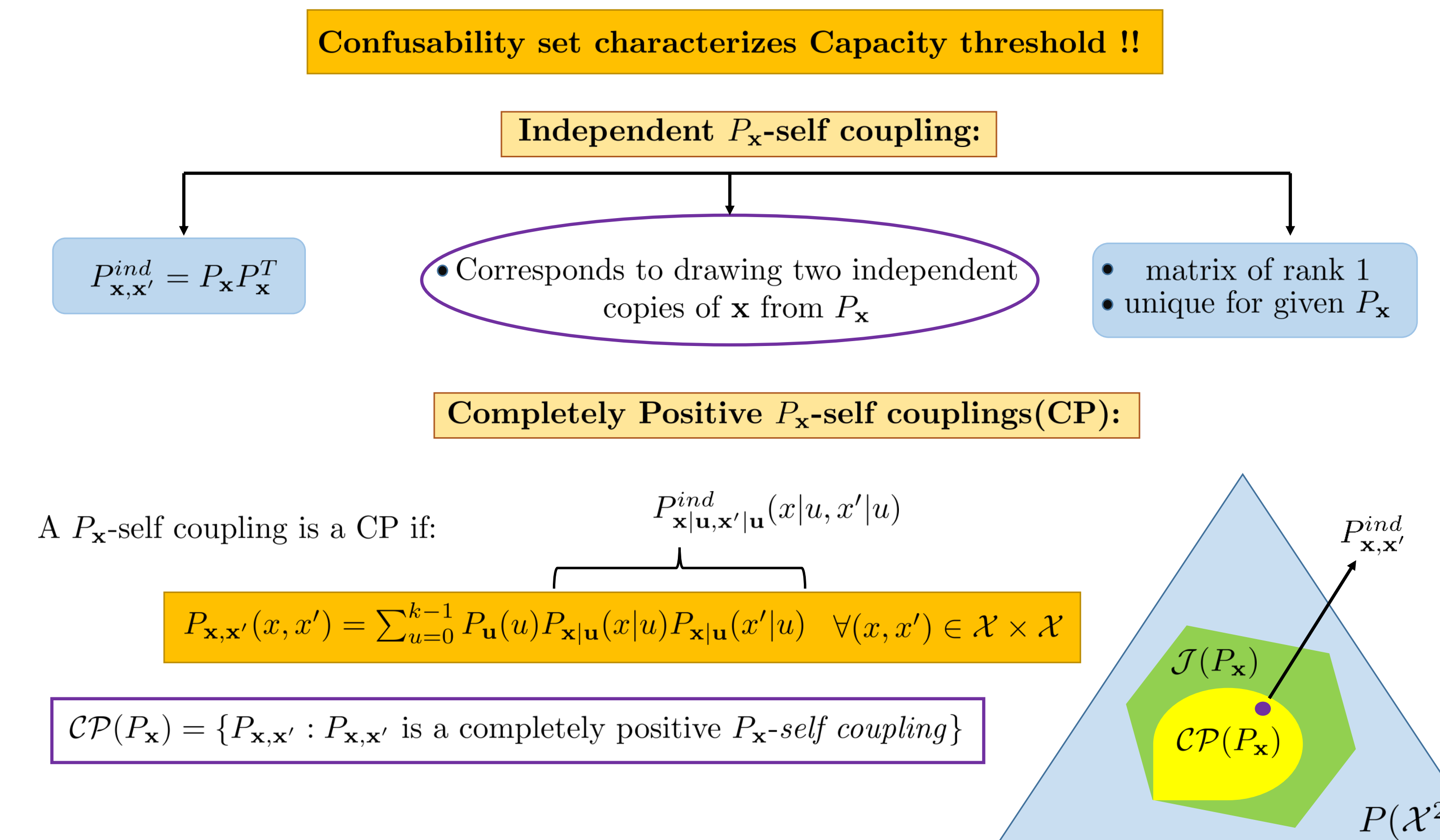
## Non State-deterministic AVCs



## Binary NSD-AVCs



## Completely Positive self couplings



## References

- [1]. X. Wang, A. J. Budkuley, A. Bogdanov and S. Jaggi, "When are large codes possible for AVCs?", in *2019 IEEE International Symposium on Information Theory (ISIT)*
- [2]. Based on ongoing joint work with Sidharth Jaggi (University of Bristol), Amitalok J. Budkuley (IIT KGP) and Yihan Zhang (Technion, Israel).