

## Problem 1

System works if at least 11 components work.

*Simulation:*

$$\sum_{i=1}^{15} I(U_i \leq p_i) \geq 11$$

## References

- [1] Monty Hall problem, [cited 27.September 2016]. Available at [https://en.wikipedia.org/wiki/Monty\\_Hall\\_problem](https://en.wikipedia.org/wiki/Monty_Hall_problem)