## **Stochastic Processes: Homework 2**

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## Exercise 1

Le 
$$f(x) = \frac{1}{2}\sin(x)\mathbb{1}_{[0,\pi]}(x)$$

- 1. For n=4 calculate the first moment of the order statistic  $X_{i:n}$  for every  $i\in 1,\ldots,5$ .
- 2. Sketch a telling drawing

## Exercise 2