HW11

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1. $\{Y_1, Y_2, \ldots, Y_6\}$ i. i. d. $\sim$ Exponential(β)
   $\mathrm{P}\left(\min\{Y_1, Y_2, \ldots, Y_6\} \geq a\right)$
   First, we compute

$$\min\{Y_1, Y_2, \ldots, Y_6\} =$$