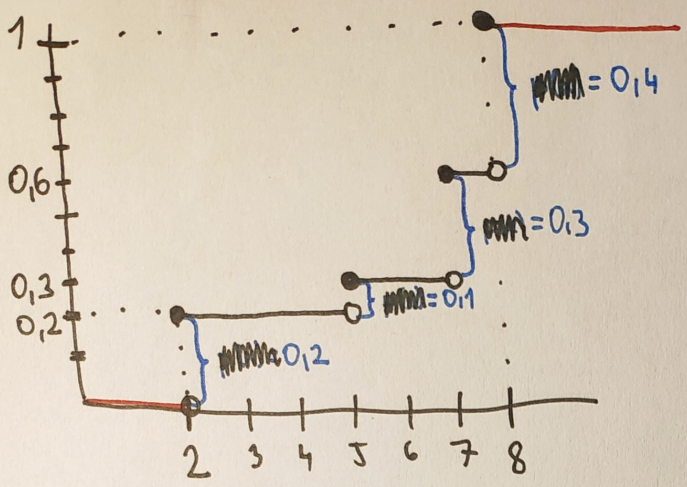

$p(x) = P(X = x)$

$P(X \leq 6) = F(6) = \underline{0,3}$

$P(X > 2) = 1 - P(X \leq 2) = 1 - F(2) = 1 - 0,2 = \underline{0,8}$

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střední hod. X: [illegible] Z dist. fce. lze odvodit, že [illegible]

(Co?) Oborem hodnot je $\{2,3,\dots,8\}$, tedy $\{2,5,7,8\}$.

Předpokládám, že jiná varianta [illegible] Potom

jinak by nedávalo smysl, že $p(x) = P(X = x)$.

$$p(2) = p(3) = p(4) = \frac{F(2)}{3} = \frac{2}{30}$$

$$p(5) = p(6) = \frac{F(5) - F(2)}{2} = \frac{1}{20} = \frac{F(5) - \lim_{x \to 5^-} F(x)}{2}$$

$$p(7) = \frac{F(7) - F(2)}{1} = \frac{3}{10} = \frac{F(7) - \lim_{x \to 7^-} F(x)}{1}$$

$$p(8) = F(8) - F(7) = \frac{4}{10} = F(8) - \lim_{x \to 8^-} F(x)$$

a $EX = 2 \cdot \frac{2}{30} + 3 \cdot \frac{2}{30} + 4 \cdot \frac{2}{30} + 5 \cdot \frac{1}{20} + 6 \cdot \frac{1}{20} + 7 \cdot \frac{3}{10} + 8 \cdot \frac{4}{10}$

$$= \frac{2 \cdot 9}{30} + \frac{11}{20} + \frac{21}{10} + \frac{32}{10} = \underline{6,45}$$