EXAMPLE: Two standard, fair dice are rolled.

	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

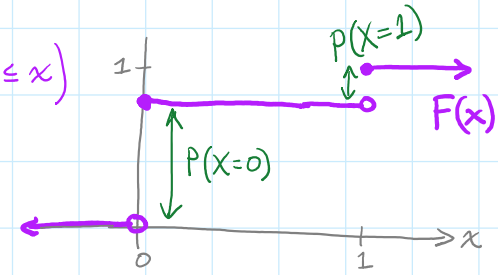
Let $X = \begin{cases} 1 & \text{if sum is 7} \\ 0 & \text{otherwise} \end{cases}$

Bernoulli rv

pmf: $p(0) = \frac{5}{6} = P(X=0)$

$p(1) = \frac{1}{6} = P(X=1)$

cdf: $F(x) = P(X \le x)$



$F(0) = \frac{5}{6} = P(X \le 0)$

$F(1) = 1 = P(X \le 1)$