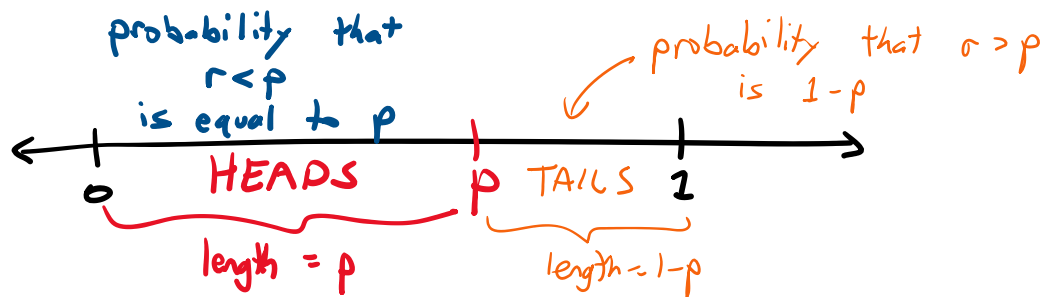


SCENARIO: A coin lands heads with probability p , $0 \leq p \leq 1$.

Simulate a flip of this coin.

Let r be a random number uniformly distributed between 0 and 1.



python: `random.random()` produces a uniform value r , $0 \leq r < 1$.

$r = 0. \text{-----}$