## Arithmetic Coding (sequence example)

- Simplest case.
- $\Sigma = \{0, 1\}$
- $\forall t,$   $p(c_t = 0) = 1/3$   $p_t(c_t = 1) = 2/3$
- ► Message = 1111
- ► Code = 111
- Technical: Assume decoder knows that length of message is 4.

