Arithmetic Coding (basic idea)

- ► Easier notation: represent characters by numbers $1 \le c_t \le |\Sigma|$. (English: $|\Sigma| = 26$)
- ▶ message-prefix $c_1, c_2, ..., c_{t-1}$ represented by line segment $[l_{t-1}, u_{t-1})$
- ▶ Initial segment $[l_0, u_0) = [0, 1)$