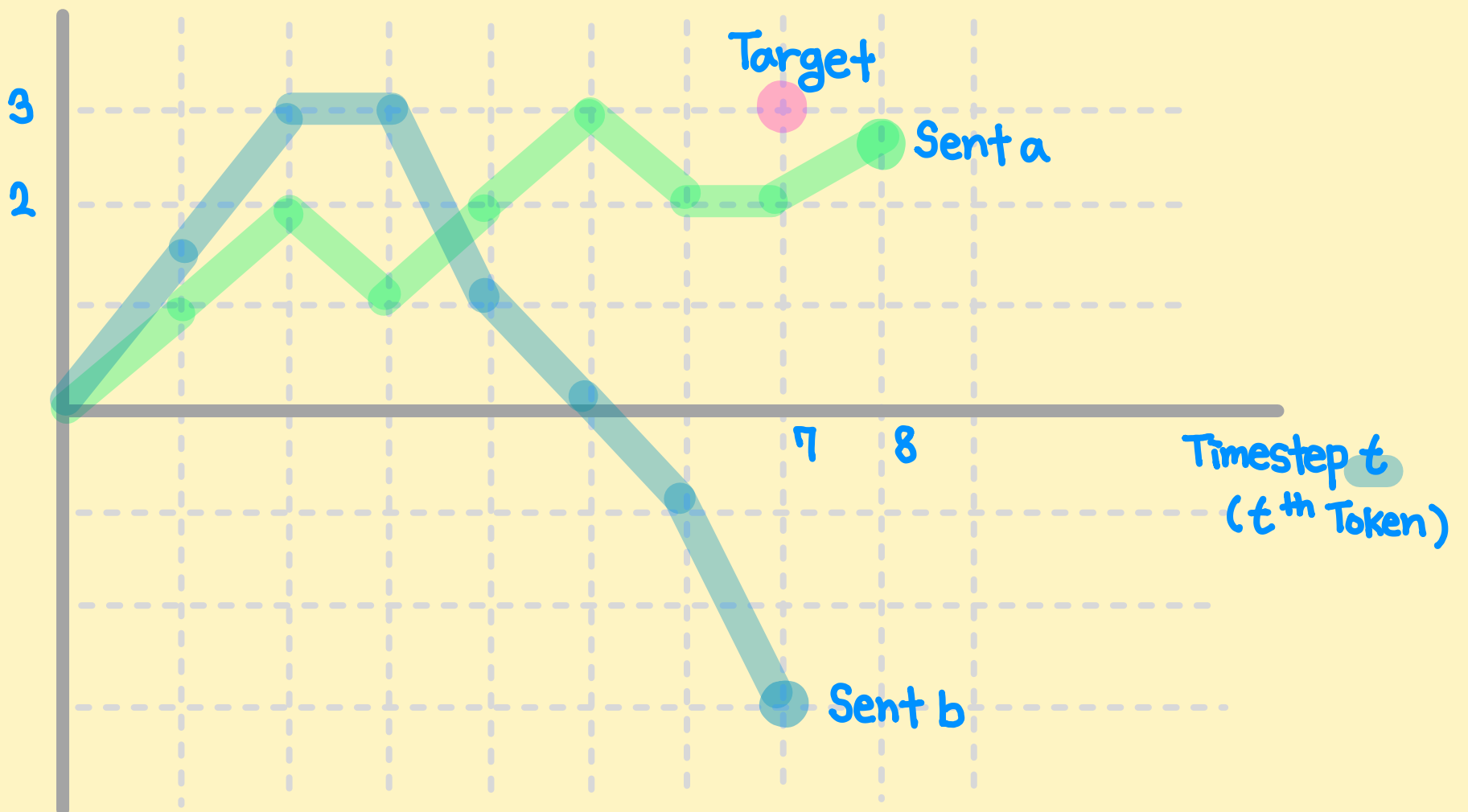


Brownian Motion ... Z

$$Z(0) = 0$$

$$Z(t) - Z(0) = Z(a+t) - Z(a) \sim N(0, t)$$

1-Dimensional Sentence Representation Z



Target: I like a chocolate flavored ice cream ($t=7$)

Sentence a: My favorite ice cream flavor is a chocolate ($t=8$)

Sentence b: I like chocolate in the ice box ($t=7$)