



$$S = \{A-A-A-A-C-T-G-A-T-C-\dots\}$$

$$\{p, e, N\}$$

$$Z^1 = \{1-2-3-4-3-2-3-2-3-4-\dots\}$$

$$X^1 = \{A-A-A-A-A-A-A-G-C-G-\dots\}$$

...

$$Z^N = \{1-2-3-4-5-6-5-6-5-6-\dots\}$$

$$X^N = \{A-A-A-G-C-T-A-T-C-T-\dots\}$$