① $L = \{a^n b^n c^n\}$

$$W = \overset{s}{\underset{u}{a}} \overset{r}{\underset{v}{a}} \overset{n-s-r}{\underset{w}{a}} \overset{n}{\underset{x}{b}} \overset{n}{\underset{y}{c}}$$

$i = 2$

$$W = a^s a^{2r} a^{n-s-r} b^{2n} c^n$$

$$W = a^{n+r} b^{2n} c^n \notin L$$

✎:

② $L = \{\omega\omega \mid \omega \in (a,b)^*\}$

$\omega = a^n b a^n b$

$$W = \overset{s}{\underset{u}{a}} \overset{r}{\underset{v}{a}} \overset{n-s-r}{\underset{w}{a}} b \overset{n}{\underset{x}{a}} \overset{}{\underset{y}{b}}$$

$$u v^2 w\, x^2 y = a^s a^{2r} a^{n-s-r} b\, a^{2n} b$$

$$= a^{n+r} b\, a^{2n} b \notin L$$