$$L_{E}(P) = \{x \in \{a,b\}^{*} \mid x \text{ is not of the form } ww\}$$
Word $w = \begin{bmatrix} a & b & a & a & b & a & a & a & a & b \\ a & b & a & a & b & a & a & a & a & b \\ Stack $\alpha = \begin{bmatrix} a,b & [Z \to XZ] & a,b & [X \to \epsilon] & a,b & [Z \to XZ] \\ a,b & [X \to XX] & \epsilon & [Z \to \epsilon] & a,b & [X \to XX] \end{bmatrix}$

$$start \begin{bmatrix} Z \end{bmatrix} \xrightarrow{q_{0}} \begin{bmatrix} a & [Z \to Z] \\ b & [X \to X] \end{bmatrix} \xrightarrow{q_{1}} \begin{bmatrix} a & [Z \to Z] \\ b & [X \to X] \end{bmatrix}} \xrightarrow{q_{2}} \begin{bmatrix} b & [Z \to Z] \\ b & [X \to X] \end{bmatrix}} \xrightarrow{q_{3}} \begin{bmatrix} a & [Z \to Z] \\ b & [X \to X] \end{bmatrix}} \xrightarrow{q_{4}} \begin{bmatrix} a & [Z \to Z] \\ b & [X \to K] \end{bmatrix}} \xrightarrow{q_{5}} \xrightarrow{q$$$

$$L_{E}(P) = \{x \in \{a,b\}^{*} \mid x \text{ is not of the form } ww\}$$
Word $w = a b a a b a a a a a b$
Stack $\alpha = A b \begin{bmatrix} a & b & b \\ a & a & b \end{bmatrix} \begin{bmatrix} x & b & b \\ a & b & b \end{bmatrix} \begin{bmatrix} x & b & b \\$

$$L_{E}(P) = \{x \in \{a,b\}^{*} \mid x \text{ is not of the form } ww\}$$
Word $w = a b a a b a a a a a b$
Stack $\alpha = \boxed{ } \boxed{ Z}$

$$a, b \begin{bmatrix} Z \to XZ \end{bmatrix} \quad a, b \begin{bmatrix} X \to \epsilon \end{bmatrix} \quad a, b \begin{bmatrix} Z \to XZ \end{bmatrix} \\ a, b \begin{bmatrix} X \to XZ \end{bmatrix} \quad a, b \begin{bmatrix} X \to \epsilon \end{bmatrix} \quad a, b \begin{bmatrix} X \to KZ \end{bmatrix} \\ a, b \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X \to KZ \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \\ b \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \\ b \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \\ b \begin{bmatrix} X \to X \end{bmatrix} \quad a \begin{bmatrix} X \to XZ \end{bmatrix} \quad a \begin{bmatrix} X$$

abaabaaaab $\in L_E(P)$