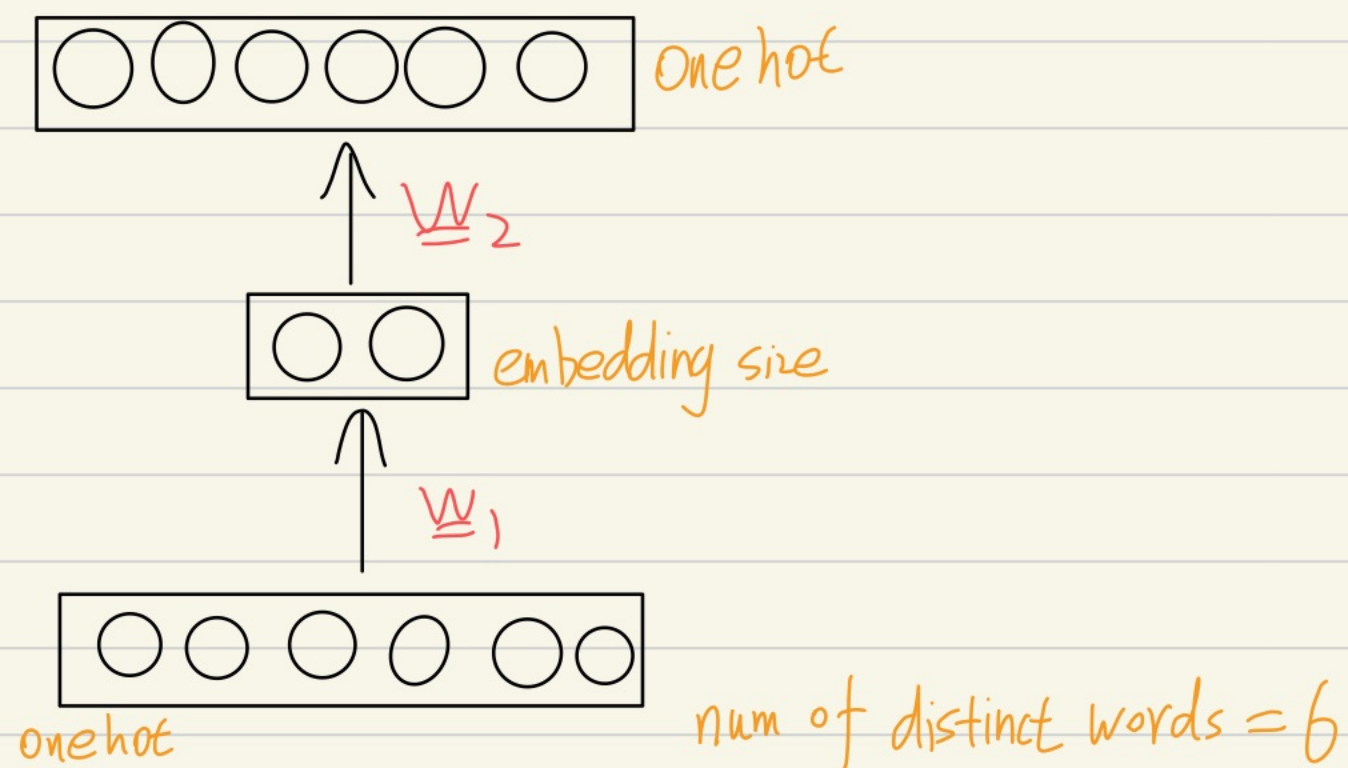


Word 2Vec (skip-gram) [Predict surrounding words]



\underline{w}_1 represents the embeddings of each words

\underline{w}_2 represents the context embeddings

Ex: $\underline{w}_1 = \begin{bmatrix} w_{11} & w_{12} \\ w_{21} & w_{22} \\ \vdots & \vdots \\ w_{61} & w_{62} \end{bmatrix}$

embedding

1st word's $[w_{11} \ w_{12}]$

2nd word's $[w_{21} \ w_{22}]$

\vdots

6th word's $[w_{61} \ w_{62}]$