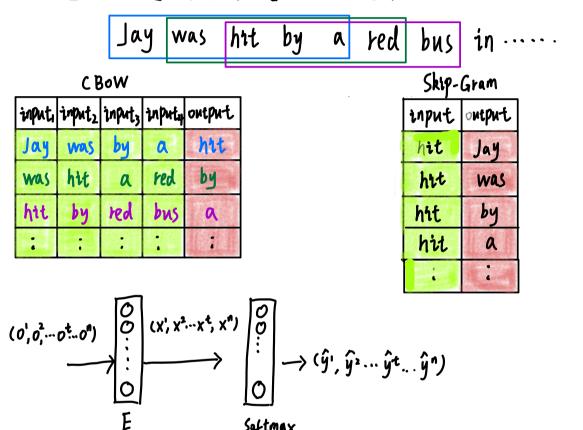
Word2 Vec

- 1. CBOW (周围饲货侧中心门)
- 2. Skip-Gram (中心 饲预测图图 词)

滑动窗口构建训练数据(wd = 5)



E Saftmax

版入矩阵 one-short 向量 词嵌入

E
$$(o',o',\cdots o'',\cdots o'',\cdots o'',\cdots o'')$$
 = $(x',x^2\cdots x^4,x^n)$ Saftmax $(x',x^2\cdots x^4,x^n)$ = $(\hat{y}',\hat{y}^2\cdots \hat{y}^4\ldots \hat{y}^n)$ $(m, 1)$ (m, n) (m, n)

$$Seftmax \begin{pmatrix} \theta_1 x^1 & \theta_1 x^2 \cdots \theta_1 x^4 \cdots \theta_1 x^n \\ \theta_2 x^1 & \theta_2 x^2 \cdots \theta_2 x^4 \cdots \theta_2 x^n \\ \vdots \\ \theta_T x^1 & \theta_T x^2 \cdots \theta_T x^4 \cdots \theta_T x^n \end{pmatrix}$$

负条样

Skip-Gram

input	output	target
hit	Jay	1
hrt	was	1
hit	by	1
hit	a	ſ
	6	0

https://www.bilibili.com/video/BV1MS4y147js/? p=5&vd_source=7c442e33c5cce684eca5d991735c3c47