

Adapted from material by Philipp Koehn

Machine Translation

Computational Linguistics: Jordan Boyd-Graber University of Maryland

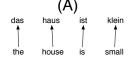
who 0.05	das	
that 0.15 which 0.075 who 0.05	e	t(e f)
	that which who	0.15 0.075

е	t(e f)
house	0.8
building	0.16
home	0.02
household	0.015
shell	0.005

Haus

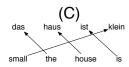
e	t(e f)
is	0.8
's	0.16
exists	0.02
has	0.015
are	0.005

$$p(\mathbf{e}, a | \mathbf{f}) = \frac{\epsilon}{(I_f + 1)^{I_e}} \prod_{j=1}^{I_e} t(e_j | f_{a(j)})$$











$$\frac{1.0}{(4+1)^4}.7 \cdot .8 \cdot .8 \cdot .4 = \tag{1}$$

$$\frac{1.0}{(4+1)^4}.7 \cdot .8 \cdot .8 \cdot .4 = 0.00029 \tag{1}$$

B)

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$$\frac{1.0}{(4+1)^4}.7 \cdot .8 \cdot .8 \cdot .4 = \tag{1}$$

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C)

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$$\frac{1.0}{(4+1)^4}.7 \cdot .8 \cdot .8 \cdot .4 =$$

(1)

$$\frac{1.0}{(4+1)^4}.7 \cdot .8 \cdot .8 \cdot .4 = 0.00029 \tag{1}$$

D)

$$\frac{1.0}{(4+1)}.7 = \tag{1}$$

$$\frac{1.0}{(4+1)}.7 = 0.14\tag{1}$$