$$\hat{p}_{ ext{MLE}}(e \mid ext{Haus}) = egin{cases} 0.696 & ext{if } e = ext{home} \ 0.279 & ext{if } e = ext{home} \ 0.014 & ext{if } e = ext{shell} \ 0.011 & ext{if } e = ext{household} \ 0 & ext{otherwise} \end{cases}$$