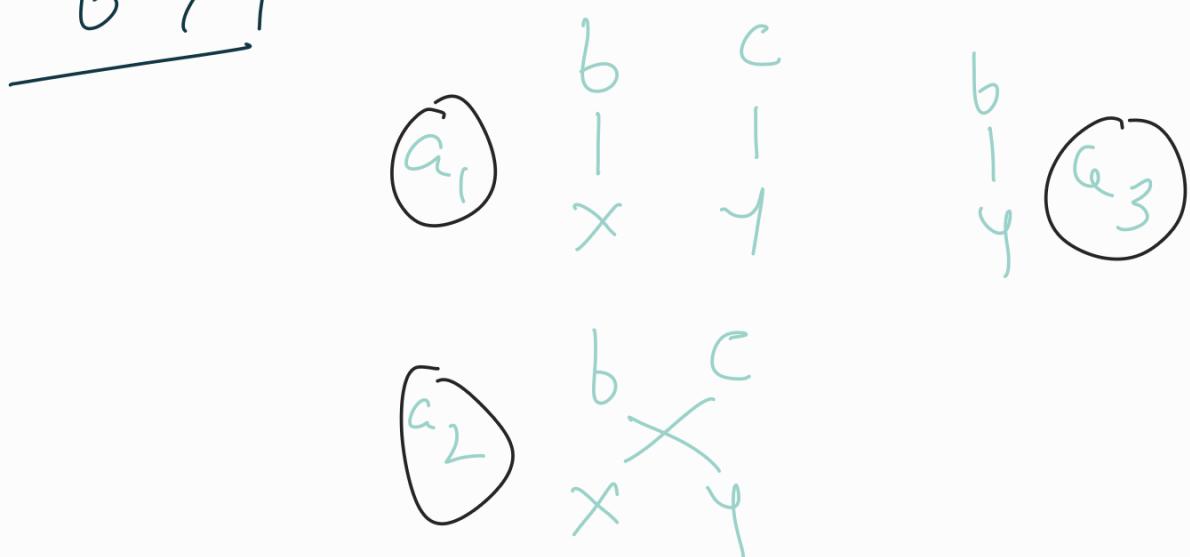


EH for
MT (Machine
translation)

$b \leftarrow x \gamma$

$b \rightarrow y$



Step - 1 $M_0 \rightarrow$ Step

$$p(x/b) = \frac{1}{2} \quad p(\gamma/b) = \frac{1}{2}$$

$$p(x/c) = \frac{1}{2} \quad p(\gamma/c) = \frac{1}{2}$$

(more
entropy
when $b \rightarrow x \gamma$)

$(E \rightarrow S_{\text{orb}})$ quantitative force
 to identify the
displacement
term

$$P(a_1, f/e) = P(b/x) \times P(c/y)$$



$$P(a_2, f/e) = P(b/y) \times P(c/x)$$

$$= \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

Combining
step

$$P(a_3, f/e) = \frac{1}{2}$$

$$P(a_1, f/e)$$

$$= P(a_1, f/e)$$

$$P(a_2, f/e)$$

$$= \frac{1}{2}$$

$$P(a_1, f/e) + P(a_2, f/e)$$

$$P(a_3, f/e)$$

$$= \underline{\underline{\frac{1}{2}}} = \frac{1}{2}$$

$$= \frac{\frac{1}{2}}{\frac{1}{2}} = \frac{1}{2}$$

$$a_1 \begin{array}{c} b \\ | \\ x \end{array} \begin{array}{c} c \\ | \\ y \end{array} -\frac{1}{2} \quad t(x|b) = \frac{\frac{1}{2}}{\frac{1}{2} + \frac{1}{2} + 1} = \frac{1}{3}$$

$$a_2 \begin{array}{c} b \\ | \\ x \end{array} \begin{array}{c} c \\ | \\ y \end{array} -\frac{1}{2} \quad t(x|c) = \frac{1}{2}$$

$$a_3 \begin{array}{c} b \\ | \\ y \end{array} \rightarrow \textcircled{1} \quad t(y|b) = \frac{\frac{1}{2} + 1}{2} = \frac{3}{2} = \frac{3}{4}$$

$$P(a_3, \mathcal{H}|c) = \frac{1}{8}$$

$$P(a_3, \mathcal{H}|c) = \underline{\frac{3}{7}}$$

$$P(a_2, \mathcal{H}|c) = \frac{3}{8}$$

$$P(a_1, \mathcal{H}|c) = \frac{1}{4} \quad P(a_3, \mathcal{H}|c)$$

$$P(a_2, \mathcal{H}|c) = \textcircled{3} = \underline{1}$$

$$g_1 = \frac{1}{4} \quad f(x|b) = \frac{1}{8}$$

$$g_2 = \frac{3}{4} \quad f(x|c) = \frac{3}{4}$$

$$g_3 = 1 \quad f(y|b) = \frac{7}{8}$$

$$\underline{f(y|c) = \frac{1}{4}}$$

$$g_1 = \frac{1}{32}$$

this way (cont'd)

HII convergence

for confidence

interval

brushfire
 \rightarrow
 FM for MT
 problem w.m.
 \rightarrow question papers
 job
 two kernel meeting
 (general)
 Eat something
 kuch khao

$$\begin{array}{c}
 a & b & a^3 \\
 | & | & \cancel{x} \\
 p_1 & x & y \\
 & & \cancel{x} y
 \end{array}
 \quad p_2$$

Eat
 khao

forms following
 parameters
 \rightarrow

$\text{Mo} \rightarrow 78\text{keV}$

$$\left\{
 \begin{array}{l}
 t(x/a) = \frac{t}{2} \quad +(\tau/a) = \frac{t}{2} \\
 t(x/b) = \frac{t}{2} \quad +(\varphi/b) = \frac{t}{2}
 \end{array}
 \right.$$

more entropy observations
 \rightarrow

E, | (prob step)

$$P(P_1, h/e) = \frac{1}{4} \quad P(P_2, h/c) \\ = \frac{1}{4}$$

$$P(P_3, h/e) = \frac{1}{2}$$

| (cons step)

$$P(P_1/h, e) = \frac{P(P_1/h/e)}{P(P_1/h/e) + P(P_2/h/e)}$$

$$= \frac{1}{2}$$

$$P(P_2/h, e) = \frac{1}{2} \quad P(P_3/h, e)$$

$$= \underline{\frac{1}{2}}$$

a	b
1	1
x	y
1	2

a	b
x	y
1	2

a
1
1

extinction PS

$$t(x|a) = \frac{\frac{1}{2}}{\frac{1}{2} + \frac{1}{2} + 1} = \left(\frac{1}{3}\right)$$

$$t(x|b) = \left(\frac{1}{2}\right)$$

four stations

$$t(y|a) = \frac{\frac{1}{2} + 1}{\frac{1}{2} + \frac{1}{2} + 1} = \left(\frac{3}{4}\right)$$

$$t(y|b) = \left(\frac{1}{2}\right)$$

parameters

$\frac{1}{2}$	prob
	step

$$p(r_1, h|e) = \frac{1}{8}$$

$$p(r_2, h|e) = \frac{3}{8}$$

$$p(r_3, h|e) = \frac{3}{7}$$

Coloring step

$$P(r_1 | h, e) = \frac{1}{4}$$

$$P(r_2 | h, e) = \frac{3}{4}$$

$$P(r_3 | h, e) = 1$$

a b
x y

$$\left(\frac{1}{4}\right)$$

a b
~~x~~ ~~y~~

$$\left(\frac{3}{4}\right)$$

a
y

$$(1)$$

R_2 step

translation
parameter

$$t(x|c) = \frac{1}{8} \quad t(y|o) = \frac{7}{8}$$

$$t(x|b) = \frac{3}{4}$$

$$t(y|b) = \frac{1}{4}$$

that $M_0 \rightarrow M_1 \rightarrow M_2$

(87 bits done)

for estimating the
transformation

thus we see that

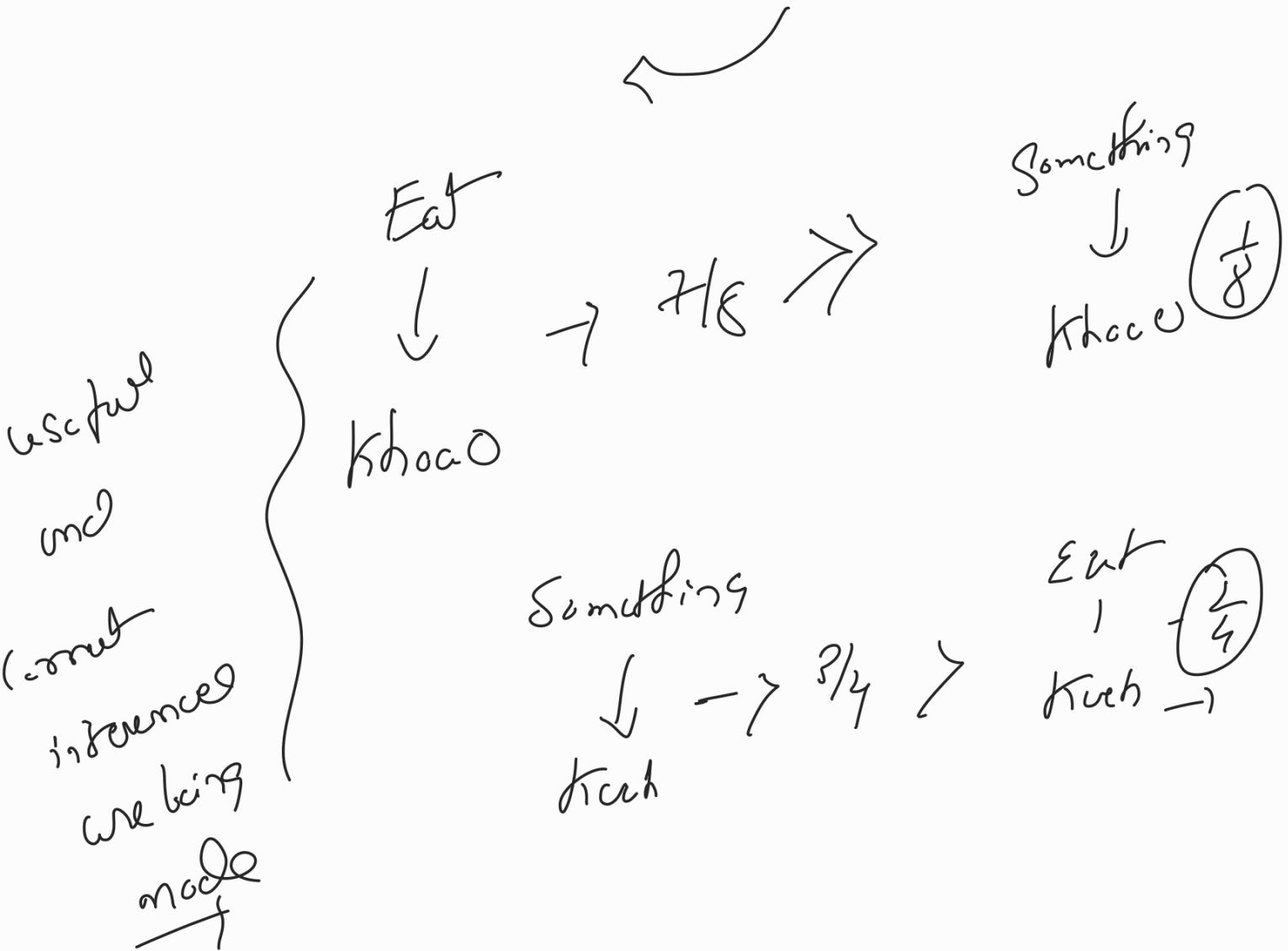
the translation

probabilities

| live(house)

are turning

out to be constant



Another example for
EN for NT

q₀ there fast

Told: when jao

q₀ there

uchas jao

q₀

Jao

a	b	c
x	y	2

a	b
y	2

a
2

T_1	$\begin{array}{c c c} a & b & c \\ \hline x & y & 2 \end{array}$	T_2	$\begin{array}{c c c} a & b & c \\ \hline x & \cancel{y} & 2 \end{array}$	T_3	$\begin{array}{c c c} a & b & c \\ \hline \cancel{x} & y & 2 \end{array}$	T_4	$\begin{array}{c c c} a & b & c \\ \hline x & \cancel{y} & 2 \end{array}$	T_5	$\begin{array}{c c c} a & b & c \\ \hline \cancel{x} & \cancel{y} & 2 \end{array}$	T_6	$\begin{array}{c c c} a & b & c \\ \hline \cancel{x} & \cancel{y} & 2 \end{array}$	T_7	$\begin{array}{c c c} a & b & c \\ \hline \cancel{y} & \cancel{z} & 2 \end{array}$	T_8	$\begin{array}{c c c} a & b & c \\ \hline \cancel{y} & \cancel{z} & 2 \end{array}$
-------	--	-------	---	-------	---	-------	---	-------	--	-------	--	-------	--	-------	--

T_5

T_6

$\begin{array}{c|c|c} a & b & c \\ \hline \cancel{x} & \cancel{y} & 2 \end{array}$

T_7

T_8

$\begin{array}{c|c|c} a & b & c \\ \hline \cancel{y} & \cancel{z} & 2 \end{array}$

$$\begin{array}{ccc}
 H_0 & \xrightarrow{\text{Step 1}} & +(\times/a) \quad +(\varphi/c) \quad +(\bar{z}/c) \\
 & & +(\times/b) \quad +(\varphi/b) \quad +(\bar{z}/b) \\
 & & \xrightarrow{\text{Step 2}} +(\times/c) \quad +(\varphi/c) \quad +(\bar{z}/c) \\
 & & \xrightarrow{\frac{1}{3}} \quad \xrightarrow{\frac{1}{3}} \quad \xrightarrow{\frac{1}{3}}
 \end{array}$$

$$\begin{array}{ll}
 F_1 \xrightarrow{\text{Step 1}} & P(T_1, h/e) = \frac{1}{27} \quad P(T_3, h/e) = \frac{1}{27} \\
 \xrightarrow{\text{Step 2 and more}} & P(T_2, h/e) = \frac{1}{27} \quad P(T_4, h/e) = \frac{1}{27} \\
 & P(T_5, h/e) = \frac{1}{27} \quad P(T_6, h/e) = \frac{1}{27} \\
 & P(T_7, h/e) = \frac{1}{9} \quad P(T_8, h/e) = \frac{1}{9} \\
 & P(T_9, h/e) = \frac{1}{3}
 \end{array}$$

$$\begin{array}{ll}
 \left(\begin{array}{l} \text{looping} \\ \text{step 1} \end{array} \right) & P(T_1/h, e) = \frac{1}{6} \quad P(T_3/h, e) = \frac{1}{6} \\
 & P(T_2/h, e) = \frac{1}{6} \quad P(T_4/h, e) = \frac{1}{6} \quad P(T_5/h, e) \\
 & P(T_6/h, e) = \frac{1}{6} \quad P(T_7/h, e) = \frac{1}{6} \quad P(T_8/h, e) = \frac{1}{2} \\
 & P(T_9/h, e) = \frac{1}{2}
 \end{array}$$

$$\begin{pmatrix}
 M_1 \\
 S_{\text{Step}} \\
 T
 \end{pmatrix} \quad
 \begin{matrix}
 T_1 - \frac{1}{6} & T_4 - \frac{1}{6} & T_7 - \frac{1}{2} \\
 T_2 - \frac{1}{6} & T_5 - \frac{1}{6} & T_8 - \frac{1}{2} \\
 T_3 - \frac{1}{6} & T_6 - \frac{1}{6} & T_9 - \textcircled{1}
 \end{matrix}$$

$$\begin{array}{lll}
 +(\infty|c) = \frac{2}{18} & +(\gamma|c) = \frac{5}{18} & +(\gamma|a) = \frac{11}{18} \\
 +(\infty|b) = \frac{1}{6} - \frac{2}{12} & +(\gamma|b) = \frac{5}{12} & +(\gamma|b) = \frac{5}{12} \\
 +(\infty|c) = \frac{1}{3} & +(\gamma|c) = \frac{1}{3} & +(\gamma|c) = \frac{1}{3}
 \end{array}$$

$$\begin{pmatrix}
 E_2 \\
 S_{\text{Step}}
 \end{pmatrix} \rightarrow \text{Preparation Step} - 1$$

$$\begin{array}{ll}
 p(T_1, h|e) = 0.015 & p(T_3, h|e) \\
 p(T_2, h|e) = 0.012 & = 0.015 \\
 & p(T_4, h|e) \\
 & = 0.08
 \end{array}$$

$$\begin{array}{l}
 p(T_5, h|e) \\
 = 0.0385 \\
 \hline
 \end{array}$$

$$\begin{array}{l}
 p(T_6, h|e) \\
 = 0.0339
 \end{array}$$

$$p(T_7, h|e) = 0.1157$$

$$p(T_8, h|c) = 0.2574$$

$$P(T_9 | h, e) = 0.611$$

$$P(T_2 | h, e) = 0.0617$$

(closing step)

$$P(T_1 | h, e) = \underline{\underline{0.077}}$$

$$P(T_3 | h, e) = 0.077$$

$$P(T_4 | h, e) = 0.411 \quad P(T_5 | h, e) \\ = \underline{\underline{0.1980}}$$

$$P(T_6 | h, e) = \underline{\underline{0.174}}$$

$$P(T_7 | h, e) = 0.312$$

$$P(T_8 | h, e) = \underline{\underline{0.687}}$$

$$P(T_9 | h, e) = \frac{0.611}{0.611} \quad \textcircled{1}$$

(R₁ step) or *(four cluster parameters estimation)*

$t(x c) = 0.046$	$t(y c) = 0.1956$	$t(z c) = 0.7577$
$t(\bar{x} b) = 0.1255$	$t(\bar{y} b) = 0.5875$	$t(\bar{z} b) = 0.2858$
$t(x c) = 0.609$	$t(y c) = 0.2357$	$t(z c) = 0.154$

closed sum of errors = 1

highest value ✓