

计算  $P(M|j)$

$E: f_1(E) \quad f_2(A, B, E)$

$B: f_3(B)$

$A: f_4(A), f_5(M, A)$

$M$

消除 E:

$f_1(E)$

E	
e	0.002
-e	0.998

$f_2(A, B, E)$

A	B	E	
a	b	e	0.95
a	b	-e	0.94
a	-b	e	0.29
a	-b	-e	0.001
-a	b	e	0.05
-a	b	-e	0.06
-a	-b	e	0.71
-a	-b	-e	0.999

$f_6(A, B)$

A	B	
a	b	0.94002
a	-b	0.001578
-a	b	0.05998
-a	-b	0.998422

消除 B

$f_3(B)$

B	
b	0.001
-b	0.999

$f_6(A, B)$

A	B	
a	b	0.94002
a	-b	0.001578
-a	b	0.05998
-a	-b	0.998422

$f_7(A)$

A	
a	0.002516442
-a	0.997483558

消除 A

$f_7(A)$

A	
a	0.002516442
-a	0.997483558

$f_4(A)$

A	
a	0.9
-a	0.05

$f_5(M, A)$

M	A	
m	a	0.7
m	-a	0.01
-m	a	0.3
-m	-a	0.99

$f_8(M)$

M	
m	0.0020841002
-m	0.0500548755

归一化

M	
m	0.0399720204
-m	0.9600279796

计算  $P(M|j)$

消除E. 消除B的操作与计算  $P(M|j)$  一致.

消除A

$f_7(A)$

A	
a	0.002516442
-a	0.997483558

$f_4(A)$

A	
a	0.1
-a	0.95

$f_3(M, A)$

M	A	
m	a	0.7
m	-a	0.01
-m	a	0.3
-m	-a	0.99

$f_8(M)$

M	
m	0.0096522447
-m	0.9382087796

$1/3 - 7e$

M	
m	0.0101831856
-m	0.9898168144