

Normal  
messages (17)

Dear Friend

200

3

1.

money

$$P(\text{Deer} | \text{Whisper}) = \frac{8}{17} \approx 0.47$$

$$= \frac{5}{17} = 0.29$$

$$= \frac{3}{17} = 0.18$$

1-30  
447

2 1 0 4  
Doll. Cent. Inch. Money

$$P(\text{can} | \text{paw}) = \frac{2}{7} = 0.29$$

$$P(\text{Prune} | \text{Spring}) = \frac{1}{7} = 0.14$$

$$P(\text{luck} | \text{spin}) = \frac{0}{7} = 0$$

$$P(\text{many} | \text{span}) = \frac{24}{7} = 0.57$$

Prove  
prohibits

$$P(2) = \frac{8}{8+4} = 0.67$$

$$P(N) \neq P(\text{Dem}/N) * P(\text{Frind}/N)$$

$$P(s) = \frac{4}{8.4} = 0.33$$

$$P(S) \times P(\text{Dew} | S) \times P(\text{Fog} | \text{Dew}) = 0.01$$

Table 10

N - 12  
S - 7

(2)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Dear - 8 + 1  
Friend - 5 + 1  
Lunch - 3 + 1  
Money - 1 + 1  

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12

Dear - 2 + 1  
Friend - 1 + 1  
Lunch - 0 + 1  
Money - 4 + 1  

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7

$P(\text{Dear} | N) = 0.47$   
 $P(\text{Friend} | N) = 0.29$   
 $P(\text{Lunch} | N) = 0.18$   
 $P(\text{Money} | N) = 0.06$

$P(\text{Dear} | S) = 0.29$   
 $P(\text{Friend} | S) = 0.14$   
 $P(\text{Lunch} | S) = 0.00$   
 $P(\text{Money} | S) = 0.57$

$X = \text{Dear Friend}$  ✓  
 $P(N) = \frac{8}{8+4}$  Normal of message

$X = \text{Lunch Money Money Money Money}$

$P(\text{Money} | N) = 0.06$   
 $P(\text{Money} | S) = 0.57$

—  $P(N) * P(\text{Lunch} | N) * P(\text{Money} | N)$   
—  $P(S) * P(\text{Lunch} | S) * P(\text{Money} | S)$