CALCULATIONS:

+ SPAM FILTEDING

1) WOEDS: "WATCH ANIME NOW"

0 "NOW"
$$\Rightarrow P("NOW | SPAH) \rightarrow \frac{1+1}{8+13} = 0.095$$

 $\downarrow D P("NOW | NOT SPAU) \rightarrow \frac{1}{6+13} = 0.053$

2) WORDS: "TAKE OUT AND ANIME AT MY HOUSE"

"TAKEOUT" -> P("TAKEOUT" | SPAM) = 0.0486

L. P("TAMEOUT" (NOT SPAM) = 0.105

+"AND" -> P("AND" | SPAM) = 0.0476 LO P("AND" | NOT SPAM) = 0.053

LA P ("ANIME" (SPAU) = 0.095 LA P ("ANIME" (NOTSPAU) = 0.053

+ "AT" → P("AT" | SPAU) = 0.8476 LA P("AT" | NOT SPAU) = 0.105

*" MY" -> P("MY" | SPAM) = 0.0476 LA P("MY" | NOT SPAM) = 0.053

* "HOUSE" -> P("HOUSE" | SPAM) = 0.095

LP P ("HOUSE" | NOT SPAN) = 0.105 SPAN)

a P ("TALEOUT AND ANIME AT MY HOUSE") = 4(0.476) + 2(0.495) = 0.38

0 P ("TALEOUT AND ANIME AT MY HOUSE | NOT SPAM) = 3(0.105)++ 3(0.053) = 474

" (" TAKEOUT AND ANIME AT MY HOUSE") - MORE LINELY NOT SPAMY

3) WORDS: " SELL HE YOUR ANIME COLLECTION"

* "SELL" -> P("SELL" | SPAM) -> 0.095 L) P("SELL" | NOT SPAM) -> 0.105

* NE" - P(" ME" | SPAM) -> 0.0476 Lo P(ME" | HOT SPAM) -> 0.053

* "YOUR" -> P("YOUR" (SPAH) -> 0.095 LA P("YOUR" (SINOT SPAH) -> 0.053

* "ANIME" - P("ANIME I SPAM) - 0.095 LD P("ANIME | NOT SPAM) - 0.058

* "COLLECTION" - P("COLLECTION" | SPAIN) - 0.0476

LA P("COLLECTION" | NET SPAIN) - 0.053

OP("SELL HE YOUR "COLLECTION" SPAM) = 3(0.095) + 2(0.476) = 0.38

OP("SELL HE YOUR "COLLECTION" | NOT SPAM) = 0.105 + 3(0.053) = 0.264

OP("SELL HE YOUR BLACK ANIME LOLLECTION" MORE LILLELY SPAM.