Name:

Ex. Learning NB

W1	W2	 Class
 The	Deal	Spam
Free	\$\$	Spam
 Dear	Joe	Ham
 \$\$	Free	Spam
 Hello	Fred	Ham
 Fred	Hello	Ham
 Dear	Fred	Ham
Dear	Winner	Spam
Free	Firewood	 Ham
Hello	Winner	Spam
Hello Fred Dear Dear Free	Hello Fred Winner Firewood	Ham Ham Spam Ham

$$P(Ham) = 1/2$$
 $P(Hello|Ham) = 2/5$ $P(Free|Ham) = 1/5$ $P(Dear|Ham) = 2/5$ $P(Spam) = 1/2$ $P(Hello|Spam) = 1/5$ $P(Free|Spam) = 2/5$ $P(Dear|Spam) = 1/5$