were likely to ocin.

(b) P(w=187)

P(w) = IP (w, c=c, P=c,s=s)

= IP (w c=c, P=c,s=s)

= IP (w c=c, P=c,s=s)

= (0.99 x 0.3 x . 1 x . 1)

+ (.9 x . 18 x . 9 x . 1) + (.9 x . 1 x . 1 x . 2)

+ (0 x . 18 x . 9 x . 1) + (.9 x . 1 x . 1 x . 2)

+ (0 x . 18 x . 2 x . 3) + (.9 x . 1 x . 1 x . 2)

+ (0 x . 18 x . 2 x . 3)

+ (0 x . 18 x . 2 x . 3)

+ (0 x . 18 x . 3 x . 3)

= 0.6471

- P(w=7) = 0.6471