In-class
10/05

① d = 8 features

iteration $n = 2^d - 1 = 2^8 - 1 = 255$

t_1 = 0.1 sec for one iteration

total time = $n \times t = 255 \times 0.1$

= 25.5 sec

② $X = \{a, b, c, d\}$ and $F = \{a, b\}$

a) $F_1 = \{a, b, c\}$, $F_2 = \{a, b, d\}$

b) $F_1 = \{a, b\}$ $F_2 = \{a, b\}$

3) $L < R$ $L=1$, $R=3$

$X = \{a, b, c, d\}$

$F = \{b, d\}$

(a)

R_2: $\{b, d\}$

R_3: $\{b, d\}$ $\{b, d\}$

(b) L_1

4) $Y = \{a, b, f, g\}$ $x = h$

$Acc(\{a, b, f, g\}) = 0.89$

$Acc(\{a, b, f, g, h\}) = 0.91$

(a) $Y = Y + x$

$= \{a, b, f, g, h\}$

(b) Find the best feature of $(x)^*$