Choose C_b

Choose C_d Choose C_a Choose C_a

$P(x \mid c_b)$

$P(x \mid c_d)$

$P(x \mid c_a)$

X

X1   X2   X3

If X<X1 – choose d
If X<X2 – choose a
If X<X3 – choose b
If X>X3 – choose a