K17-3730. Sec C. Eisha. Naive Bayes Classifier. Date: loan → yes, no = ? Refund = no Marital = sig single P(1 Cheat Ino, S) = P(no, S| 7 cheat). P(7 cheat)
P(no, S). P(not icheat) x P(s) icheat) x P(icheat)
P(no.s)  $= \frac{7}{7} \cdot \frac{9}{10} \times \frac{2}{10} \times \frac{7}{10} \times \frac{10}{10} \times \frac{10}{1$ = 0.114 probability of P(cheat | no, s) = P(no, s | cheat) . P(cheat) P(no,s) = Pfnolcheat) x P(s|cheat) x P (cheat) P (no,s) 3 x 2 x 3 or 1000 still 2 0.2 -> probability of (yes). themselve wie ut P 80 yes cheat no cheat. so the result is "yes cheat"!