K-Oil 202318013 Vuishmi Parikh - Prior P(1) = No Neckcy P(-) = 3/5, P(+) = 2/5 the likelihood from the training set for "predictable" "no", "fun". L → P(predictable! -) = 1+1 = 2 = 1 14+20 34 17 P(predictable/+) = 0+1 = 1 = 1 = 1 → P('no'1-) = 1+1 = 2+7 = 1 P(inb'/t) = 0+1 = 1 q+20 = 29→ P('fun'/-) = 0+1 = 1 14+20 = 34 er P ('fun') +) = 1+1 = 2 9+20 = 29

s= "puldictable with no fun".

P(-) P(S/-) = 3/5 x 2x2x1 34 x34x34 = 0.0061 x10^2

P(+)  $P(s|+) = 2/5 \times \frac{1 \times 1 \times 2}{29 \times 29 \times 29}$ =  $\left[0.000032\right]$ 

:. Thus, class is negative for the test sentence.