|   | Matthew Trautmann   |
|---|---|
|   | Sprint 2  |
|   | I D(she's a vitable no letter) = D(she's a witch) x D(no letter witch)  |
|   | D(no letter)  |
| - | p(no letter) = p(no letter witch) * p(witch) + p(no letter   nowitch) p(no witch)<br>p(no letter) = $(.03) \times (.75) + (.99) \times (.25) = .27$ p(no letter) = $.27$  |
|   | $(.03) \times (.75) + (.99) \times (.25) = 1.27$  |
|   | p(no letter) = .27/1  |
|   | 11  |
|   | p (shes a witch no letter) = (.75) x (.03) = 1.083  |
|   | . 27  |
|   | bed Ped Ped Ped Ped Ped Ped Ped Ped Ped P   |
|   | 2. E[X]=1+30/29+30/28+01. +30/2 +30/1 minust  |
|   | 29 30   |
|   | 100 2 30-20 19.8469 H/P Hoold : Hod moborod   |
| _ | 11-0  |
|   | H2: B 8/13 (12/13 13/13 13/13 13/13 14/13 16/13 |
|   |   |
|   | 3. p(evil slitherin) = p(slitherin evil) p(evil)  |
|   | Planet - (Chaptsherin) (chaptsherin)  |
|   | p(slitherin evil)=7/2100 = (8/14) x (4/12) x (8/101)  |
|   | 5. (185/15) x (10) (11) x (11/5) = 20/273, 1. = (11/9) q  |
|   | p (slitherin) = (p(slitherin levil) x p(evil)) + (p (slitherin   not evil) x p(not evil)  |
|   | (([X, o]) + (o2) x (o9))  |
|   | p(slitherin) = 28   |
|   | $p(evil slitherin) = (1) \times (.1) = .357$  |
|   | . 28  |
| - |   |