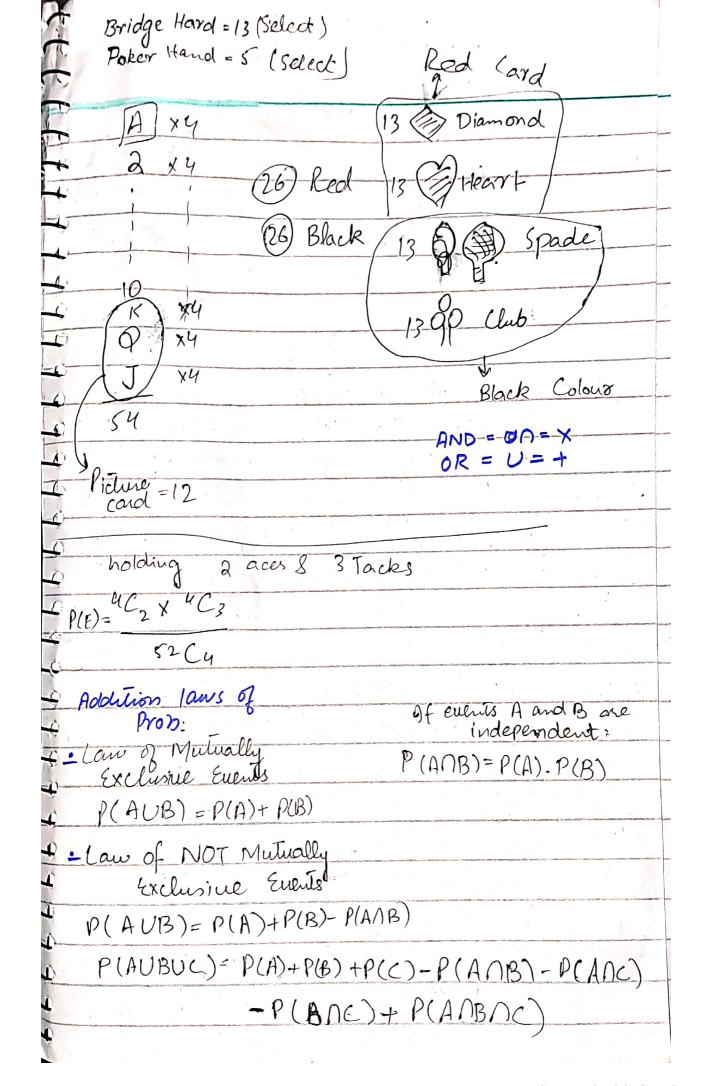
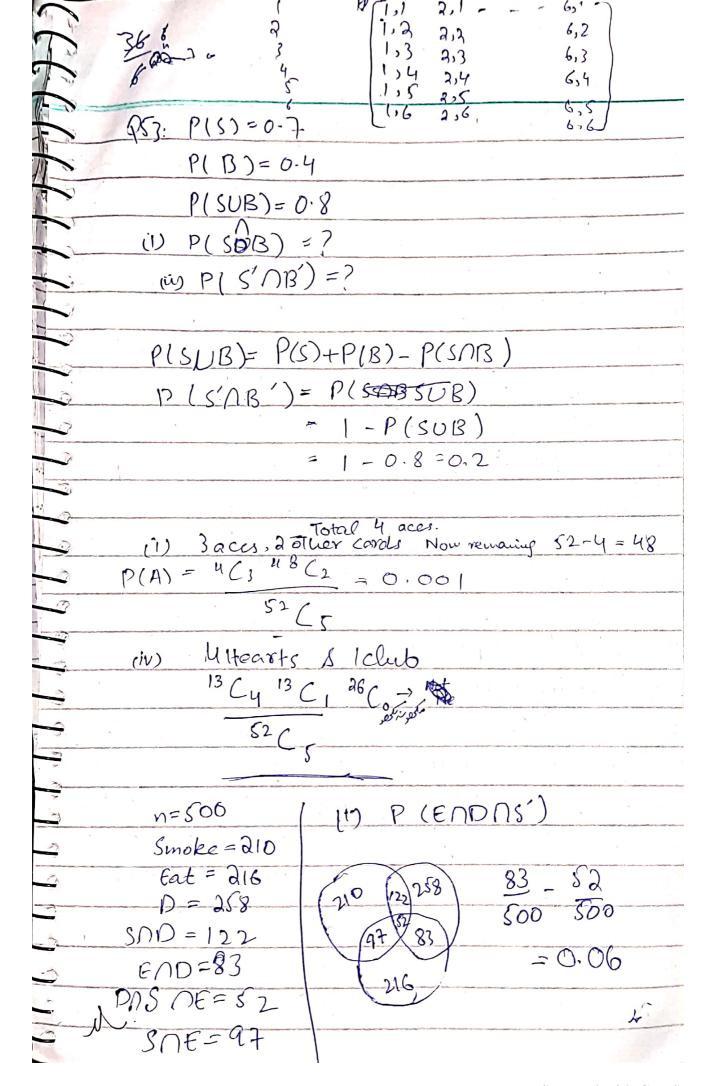
No promont Sum of probabilities of
PIPTED No product Sum of probabilities of all possible events = 1
pm) et (Sbr Coot
05 P(A) 51.
Simple sup -t
P(A) = n(A) Single Outcome VS Compaind
Cor Outro
Mulially Mulially
5.5 Likely Events of Exclusive Not Mulioli Exclusive
Trial: Eyents ANB \$ P ANB \$ ANB \$ ON A & B can occurs ANB \$ 0
TO HIS COULDED
Verformance of acur at same Time
Independent: Dependent
9ndependent Dependent Occurring of 1 Event:
event no offert
event no effect opposite
A STATE OF THE PARTY OF THE PAR
Collective 17 Extraustive Events
Union of 2 events from
S.S probating There are probabling rotuse mutually probabling more than 1 exclusive. selecting more things
They are prob 8 ping not use mutually prob 8 ping rot use
exclusive solecting more kings
Not ordering
Complement of Counting of Combination: Ordering Sample Points: Mutto Permutation: Order
Event: Sample Points: Natural Permutation: Order
Event: Sample Points: Muther Permutation: order.  A = {1,2,3} Multiplicative selection war out replacement.
D= S C A no. of elemonts in events!
The restriction of the contract of the contrac
$P(\bar{A})=1-P(\bar{A})$ 2 Events are $\frac{n!}{n!!n2!-n_k!}$ = { independent (ondition)}
(condition)
and of track
(i) P(At least one head) Forming sample
(i) P(At least one head)   Forming suple
C(= 5) (1) 15 The space
S-S= { HH, HT, TH, TTP   10 ming support of space   Space   10 ming support of space   10 ming support
(1) $P(H   least one head)$ Forming sample $S-S=\{HH,HT,TH,TTP\}$ $P * Let n=3$ $P(A) = \frac{3}{4}$
/ \
P(A) = 3/4 HTT TTH
The state of the s





13 8 28 29 22 22
- Conditional Probability
P(A/B) = P(ANB)
P(B)
- If B occured, probability of A.
P(B) + 0
- Ex 34: P(D) = 0.83
P(A) = 0.82
P(AND) = 0.78
P(A/D) = P(AND) = 0.78 = 0.94
'h' grode
j=10  A/T=3
S = 30 A/S = 10 S = 10 A/S = 10
S = 30 A/S = 10 Q = 10 A/Q = 5 $P(A/S) = \frac{10}{18}$
P(1/s) = 1/18
P(M/s) = P(MNs) = 28/200
P(s) 78/200