KUSHAGIRA AGIARWAL 2018 113012 FIITJEE

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Dataset			4	arco	A Cip	ped,
POWS	2	and			J	and the state of the

Argle	Distance	Speed	Kil1
1.5	450	220	N
	520	-120	N
4.9	490	120	Y
3	530	117	y
5.5	470	-170	N
3.2		-90	, Y
5.2	505	120	y
1.85	465	1117	y
4.8	517	-100	- V
1.7	430	-100	
12 2	The state of the s	1	

Decision Number 1

First, we calculate starting entoppey I(3,6) 2 3 69(9/3) + & 69(9/6)

0.918295.

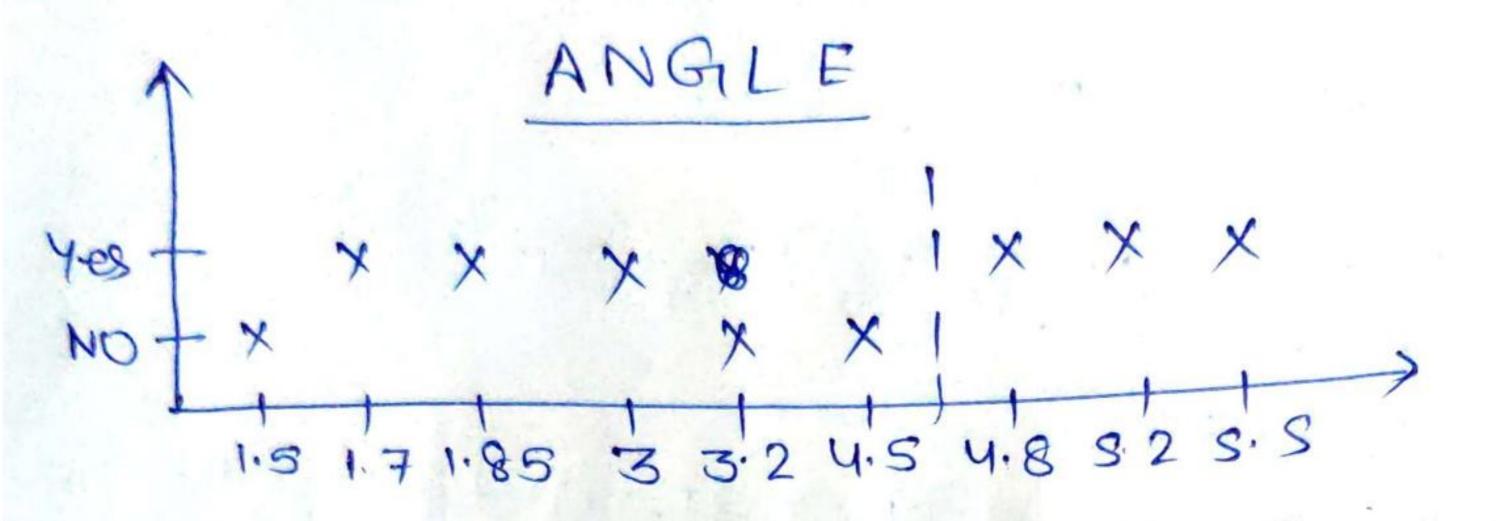
As the columns have continuous data, we opted for a total and error method. The choices nevel

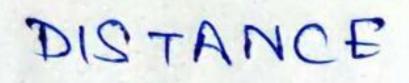
i) mean of Angle ii) mean of distance III) mean of speed in) Angle > 4.8 v) speech 1/2/1000 speed (-1.00).

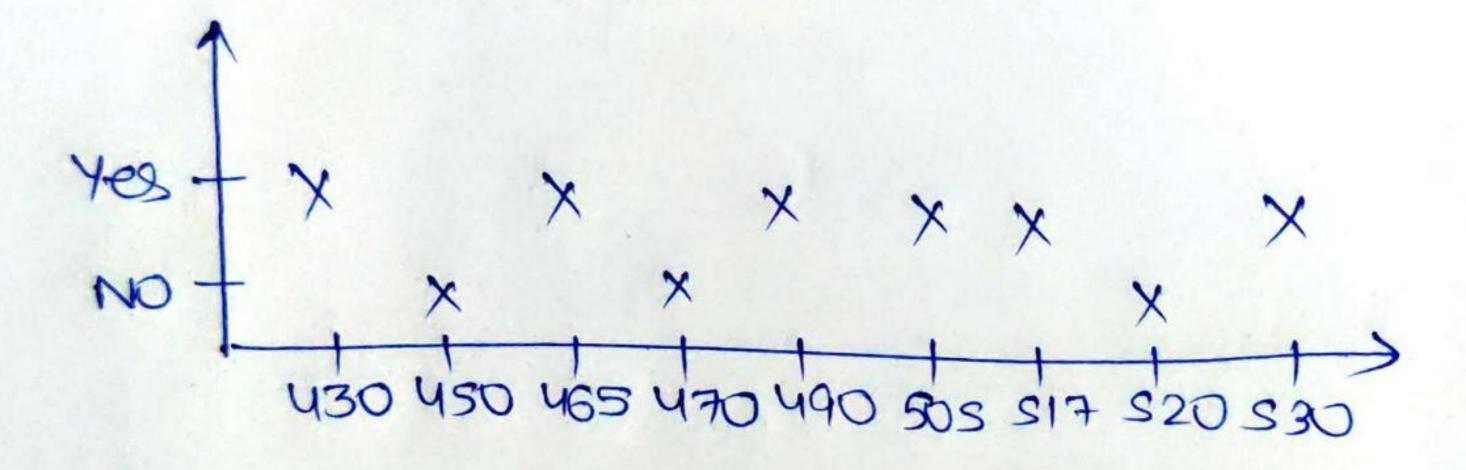
choser on account of patterns obscomed data. The Jast 2 were

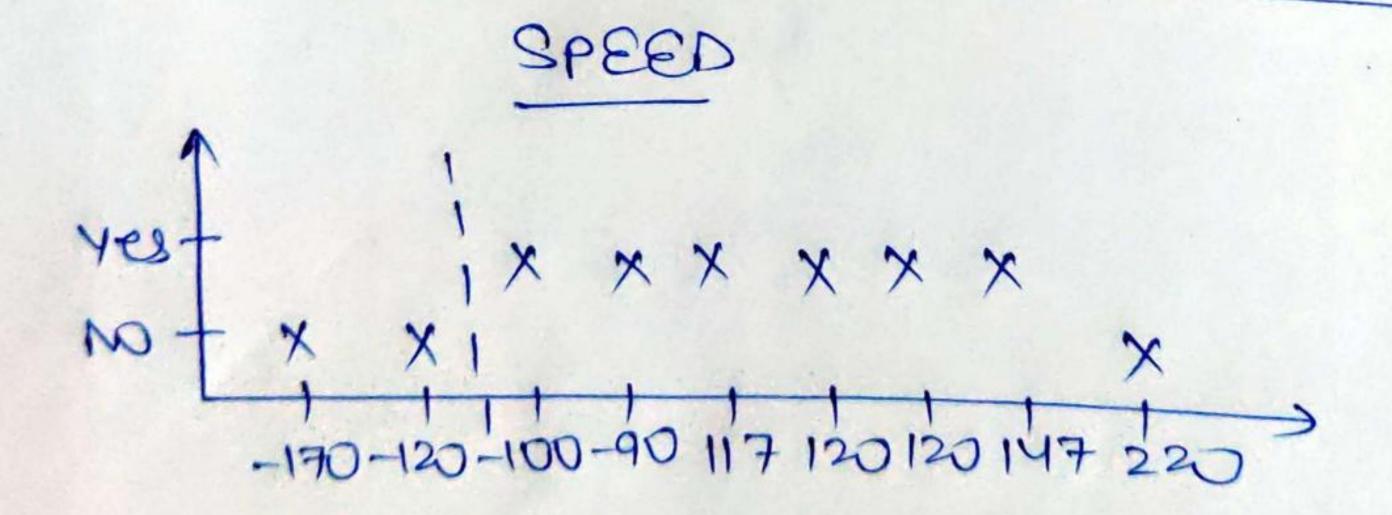
FIITJEE for patterns in data we oclate the following grooping.











from these groups the 2 patterns

Angle > 4.8 and speed <-100 more observed

Case 1 mean of Angle

Mean = (1.9 + 4.5 + 3 + 5.5 + 3.2 + 5.2 + 1.85 + 4.8 + 1.7)/9

3.4722.

let cord be > 3.47

4.5	5.5	5.2	4.8	10
N	Y	У	y .,	,

E I (3,1) = 36092(4/3)+16092(4)

0.31127 + 0.5 = 0.81127

30 E= 4 (E) + 5 (E2)

0.36056 + 0.5394 2 0.899964

0.97095.

3.2

= 3 692(5/3) + 2 692(5/2)

E= I(3,2)

0.918295-0.8999642 0.018331 . Grown 2

Mean of distance. Oue 2

Mean 2 (450+520+490+530+470+505+465+517+430)/9

486.33

cord

486.33

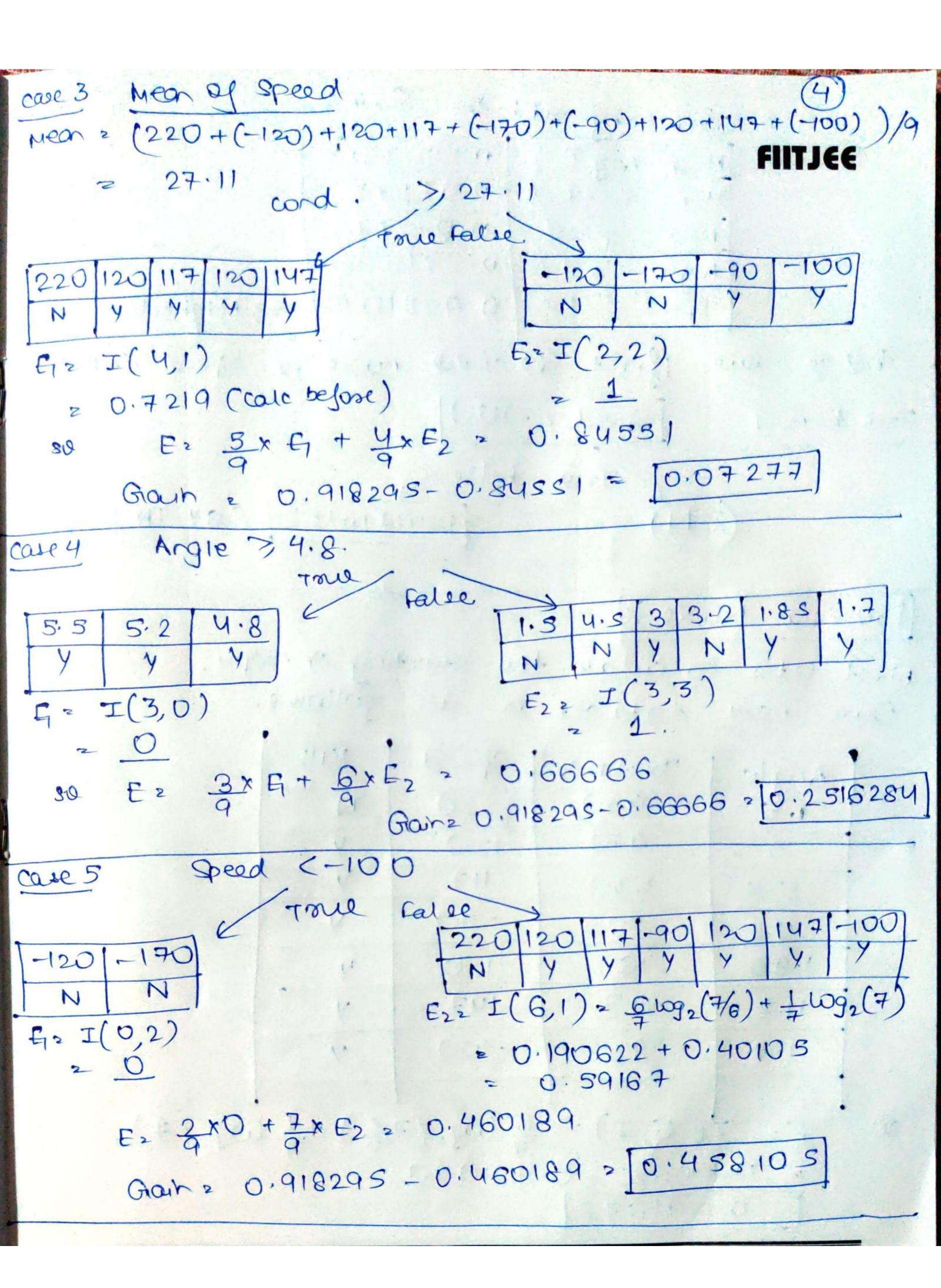
	500		0	
520	1490	530	505	317
N	Y	y	Y	y

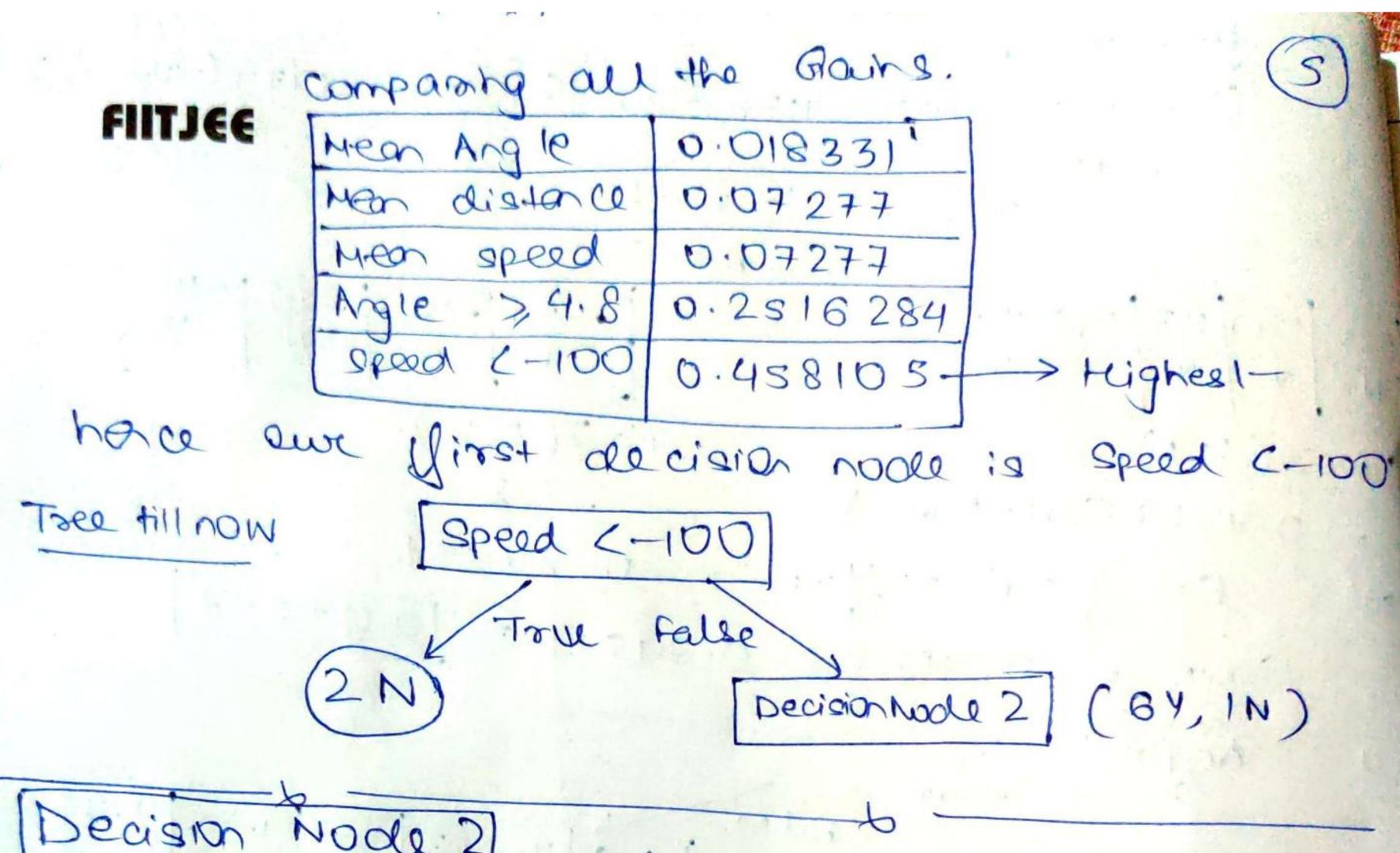
41092(5/4) + + w92(5) = 0.7219 E2 3x5+ 4x E2, 0.84551

False 465 450 N

E22 I(2,2)

Gain 20.918295 - 0.84551 20





First let's calculate the stouthy entropy. Our new dataset is as follows.

Angle 1.5	Distance	Speed	Kill
1. 6			
1, 3	450	220	N
3	490	120	V
5.5	530	117	4
5.2	505	90	V
1.85	465	120	NI NI
4.8	517	147	4
1.7	430	-100	7

 $E_{2} \pm (6, I) \cdot \frac{6}{7} \log_{2}(7/6) + \frac{1}{7} \log_{2}(7)$ 50 2 0.190622 + 0.401050

