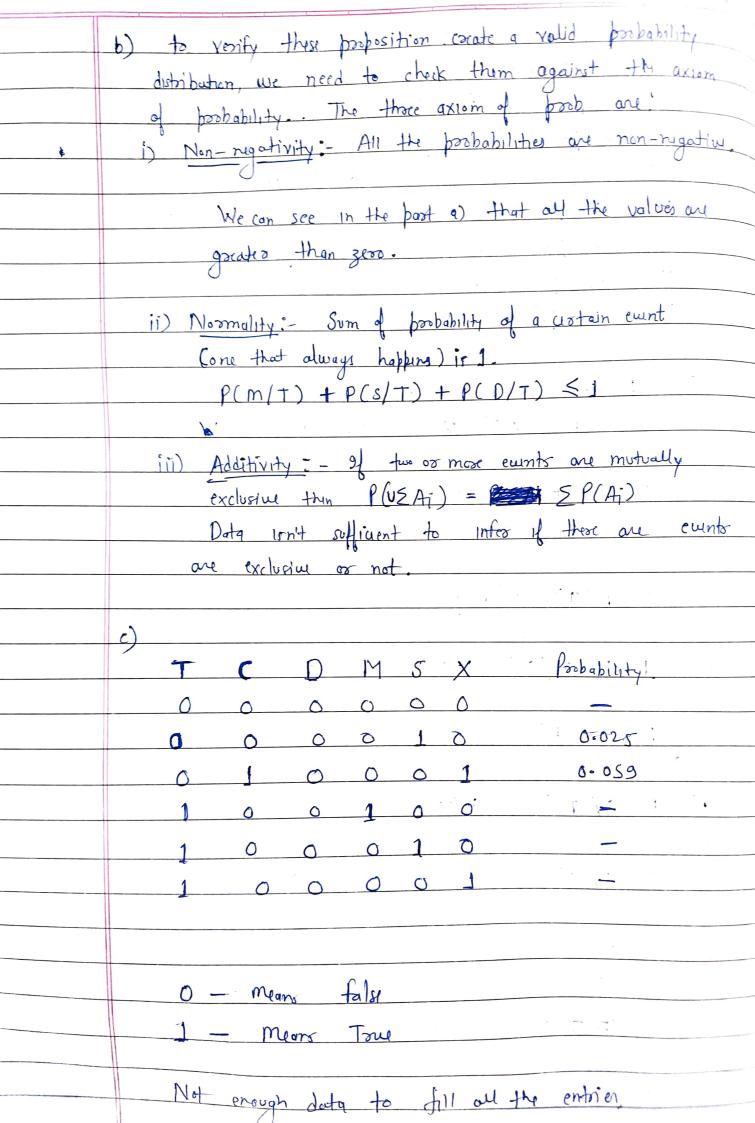
```
Theory
  Rondom Variables
1)
    T: A proson has toavelled
    C: A person har caught corona.
    D: A pessoh has caught desease other than cosona.
    M: A person has mild corona.
     S: A person har severe case of corona.
    X: A person has Died
     A many la
   a) P(Tn(cvD)) = 0.825
       OF P(T \land C) \lor P(T \land D) = 0.825
   b) PC M/T) = 0.15
      P(S/T) = 0.22
   c) P(D/T) = 0.485
   d) PCDAX/T) = 0.24
   e) P(S \Lambda - T) = 0.025
   f) P(S/T) = 0.487
   9) P(X/C) = 0.089
   h) P(MVS) = 0.70
   j) P(c) = 6.5
```



	DELIA (910)
d)	Since the Joint distribution table with complete we can't really
	Soy with confirmation about the Independence.
	P(A, B C) = P(A C) * P(B C)
	A & B are Independent when C 25 known to occur
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	M on 5 (Mild and sewer cases of cosona) are likely
	Conditionally Independent of up ( Chaving arms) on
74	the seventy of the disease does not necessarily
	depind on each other once it's established that the
	pesson has cosona.
	D (other diseases) might be conditionally indipendent from
	C (cought corona) and S (seuse (orona) giun T
	assuming the diseases caught are unselated.
	These are assumptions based on the natural of the eunts
	not sigosous mothematical conclusions.
2)	
9	
	a) Ver switching to the other unopened door to maximize
	your chance of winning the key
	b J
	p staying to the 16 original choice, too win our
	choice has to be coxict. 1-e P = 1/3 (staying)
+	(No)(1)
	111: A minning our first choice; has
	by switching and winning,
	to be incorrect.
	By switching and winning, aux first choice has  to be incorrect.  P (first chaice warry) = 2/3
The Age of	Thirefore switching incocases the postability.

