•	Dat	Œ

Discrete Confinuous

Sashi

(9) Flavours = { Vanilla, (hocolate) Strawberry, Black-Current, Distachio?

March, 1200 Waffle-Cones

Defective Non-Defective

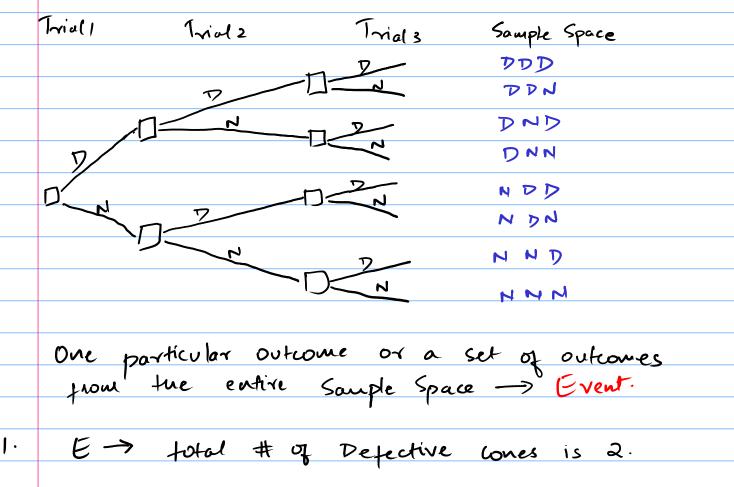
She randomly picks up 3 wafte Cones

The process of observation of activity is colled Experiment.

Results of Empaiment -> Outcomes

Experêment - Examining a random Wapple-cone (NorD).

Individual repititions of the same Random exp. are termed as the trial.



⇒ E = { DDN, DND, NDD}

: there are 3 ways in which this above Event (of our interest) can occur.

2. E-> total # of Defective Coner is one or more.

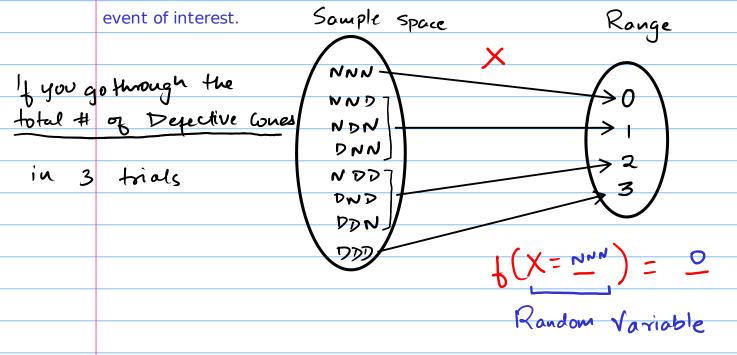
E= {DDD, DNN, NDN, NND, DDN, DND, NDD}

: 7 ways.

Random Variable

A function X can be defined on the sample space as a relation where each

independent sample space outcome is mapped to a numerical value based on the



- The real-Valued function (R(f) ER), defined over a Souple Space (SS) is called a Random Variable (RV).
-) Only one Real Volve is assigned by the function to each individual outcome.
- The solution of the season of

X is not a Variable like in Algebra: ex: x+2=7.x

X (RV) is a func" & can be depicted as follows:

X= {x1, x2, x3,..., xn}

You can explain RV (x) in the ice-cream:

X = Total # of defective Cours in 3 trials.

$$P(X=2) = \frac{3}{8}$$