Artificial Intelligence

All is nothing but writing the program such that the machine think itself

· Intellegence

Learning

Shifficial Means Network (ANN)

Here to gain knowledge we have to learn we need Neural Network

ANN Learning Intelligence

A Mackene to gain entelligence we should learn for that we Emplant Artheficial Neural Network Ento the Machene

Cloud Computing

Making ruse of someothers computational power and perfing service bills is called as cloud compute thistory of Artificial Intelligence

- In 1941 temperter has entirely started
- -> In 1949 the stored program compulor came

- In 1951 flist Al based programs was written
- → In 1955 That self learning frame playing program =000s developed

En onlene chess game

- In 1956 . Introduced LIST
- In 1959 MIT set their Al lab
- → fn 1964 toe Saw-the-first device of A1 with understandable tanguage
- In 1965 the first chatbot
- -> In 1944 the first automatic during car was
- An 2009 google stanted building self driving car
- → In son strt google Assistant de became mila Stream chatbox

Intelligent System

The System which has Intelligence is known as Intelligent System

CONTROL CONTROL OF THE CONTROL OF TH

Let us see the consersation between human and Machine (Eliza)

- U: Men are all allthe . . .
- E: In what ways
- U: They are always bugging us about semething
- E: Can you think of a specific Example?
- U. My boyfriend told me come here
- E: Your bogiffiend made you come here?

0: He says I'm dipressed much of the time E I'm sorry to hear that you me depressed U: di fs true I'm unimpry E . So you think comeng here will help you not be zinhappej2 The Appointment time is completed thus the Conversation is Ended Ex: 311 let us see the conversation bliv user and stri U: 41 827 U: How to weather today! s: Ils currently cloudy and off Ser Semil U: I love you siri. 8: You are the wind beneath my wings. 0 : 41000 me you sin! S : I'm happy to be here Ex: Alexa, Google Asharance Irends on Al -> Huge upliend in Al analysing data: Here unstructured data so converted to structured date and analyse that date for future prediction. Conversational AT converser floral All to chat bes Ex: 88th, Alera, Elexa . Geogle Assistant

Health core

Sth the help of M. Assignosses is done faster.
Besinforcement learning on rise

Re Enforcement learning Algorithm is nothing but taking Engut and produce output based on state.

Er

ekesi gunee

Rentime traffic assessment and recommendation

That GPS systems which was fed in our cars we montyse the past data and give recommendation about traffic situation and suggest allermotive roots if my Softment analysis.

the talest version machines fed with At its able to predict whether the humans are happy and unhappy

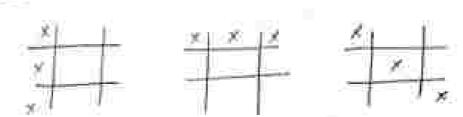
Te- Tac- Toe

There we have syageld fully

#

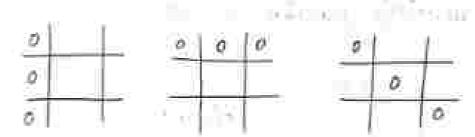
there will be a players for playing this game

the Winning caletals are



These we winner of criterials of X.

The winner of criterials of O's are

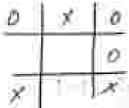


Hezmistic function

It is probability of is win - probability of ofwin

: # = P x's wire - P D's wire

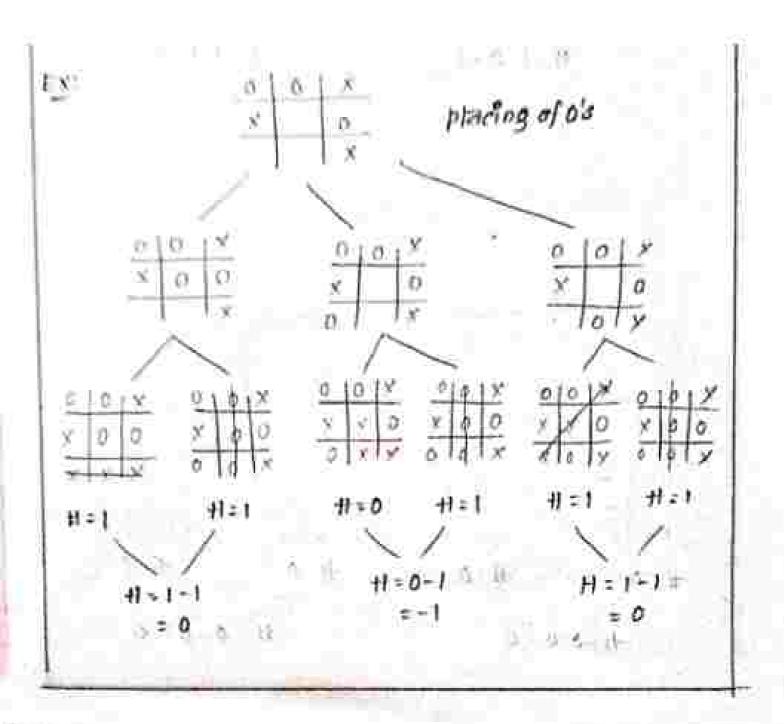
Sit correct state the game is as shown below

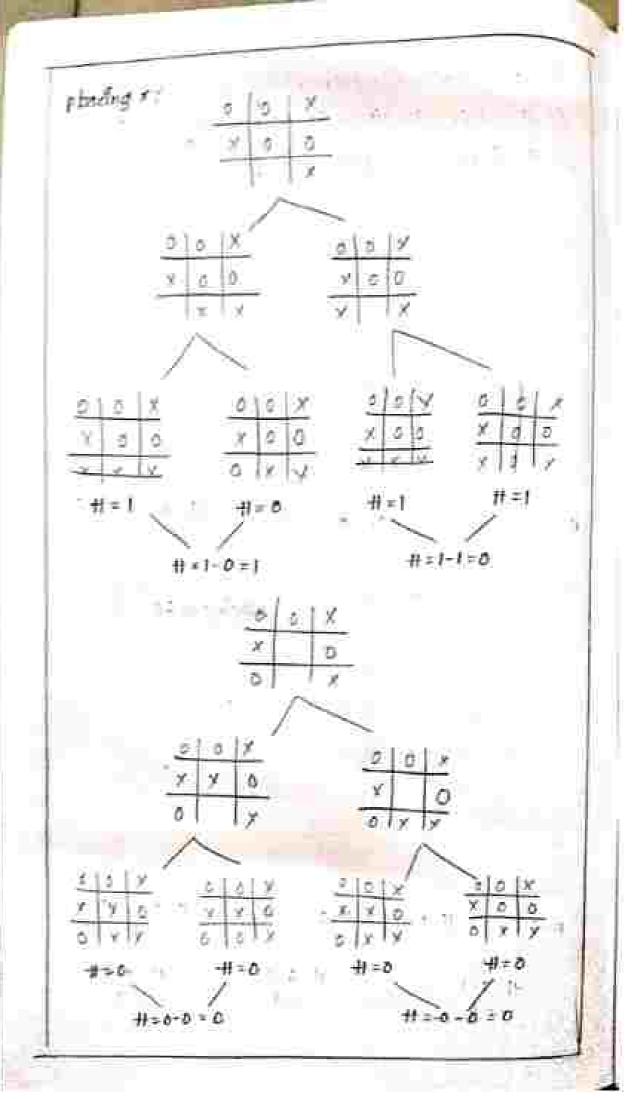


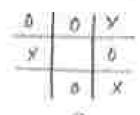
Here probability of & winning the game is

Here probability of x's wins = 2

The probability of Owinning the game is

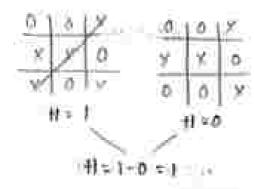


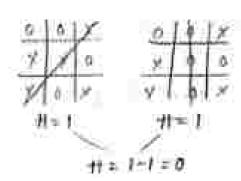






6	M.	y
ý		Ø
4	6	9





1-13 SECOM

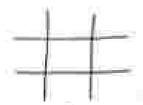
The Tene-toe using Mingle Square

Magic . Equare was shown below

8	å	ų
T.	5	9
6	7	2

ofere the winning enterior is of player who places
the elements sequentially such that the sum is 16
whose the game as shown below

The trac-Toe useng Magic square gaming stem we have a sxa empty grid as shown below



Moves between human and Machine are shown Below

tkumeen

Machine

move 1 5

move ② g

move 3 5/4

= m m = 1 € 66

igi, ii ii B

move @ 8,6 the same and the same

move @ \$,6,3

move @ 5,4,1,9

The second secon San (19) Al Language U.S.

THE REPORT OF STREET WHEN WHEN WHEN SEL

Applications In AI

1 Al En Ganting

The games where the machine should thenk fiself there we need a software called at the lade online - Budminton, chess, lado ...

2 AT In ALF (National language process):

NIP which makes the machine to understood

Natural tanguage spoken by humans thus NIP is

a module in NI.

3 Expert System:

Some expert system will provide advices as

per the requests made by humans.

4. Speech Recognition:

A Machine can reasonize our speech with

the help of MI

s Computer vision:

with the use of m computer / Machine is note

to Assunface the real world.

6 Robotics

Roba's are of two types.

I numeral d

a pre programmed robas

to do their particular tasks.

Languages used to develop MI:

s Python:

we can learn easily and develop the AI software easily by using python programming language

Ex: 30 print Hello world in figther as print ("Hello world")

s. Java Java Es a Object of ented programming larguage Ex: Do grant Hello would in farm no follows

11 යටර්ම ශානම්ව නැපතහන් විශා

class Hellowoodd

the day of the three was the first of the public static void main (stime aug [1])

affile whose of the testing and transfering to Sejstem out printing "Hello woold"); Description of the second to the state of the property of the property of the

CELEBRA BON SHIP S. MAN H.

3. C:

e is a procedure Oriented language which may have some difficulties and completely to develop AI Software

Ex: 10 print hello woold in e no follows # Enclude estato.h> Int main ()

III. MOTHER, REAL RESERVED INCH IN VIII. printf ("Hello word"); CHY: It is object ortented programing language noe can phase difficulties to develop no software Ex: so grant trellowood in ett as follows aff Include chostienn-hy Prit maint) 1576 - 34 1 Ital course thello world the ton the commence that we will be the W 14 - 0 4 5 prolog: والمتنبية إلاوية prolog to old programming bengunge which was -Prist used to build AI (वारावेंडन) क्योंक अंदर्शनाता । Ex 10 point there would for prology as follows consult ('file name') -6. R-programmens Thes language as naturally used for statistical ananalysis. Ex: Jo print Hellowoodd in R as follows print ("Hello world"); 7 LIGP: At 9s old programming language used to develop MI

Ex. to print Hellowoodd In LISP me follows t with hellowerld - 195p (कृत्सिकाः "संशोधस्यकार्ति").

Efoundations of AT

philosophy

- How does the mond artse from a physical brain
- → Hozo does Knowledge come-from
- How does knowledge lead to action

Mathematics

- what can be computed
- -> How do see reason with uncertain recognitions Information

Neuroscience

A to the study of human neurons and communicaron blo them the to promise the standard of the

paycology

- How do humans and animals think and act

to the state of the state of the state of the

BANGE ASSESSMENT OF THE PARTY O