Shivam Tiwan 5117060 BECOMPS.

	Experiment 04
0	Aim: Write a Program to Implement Monkey & Banana Roble
D	Theory
	Theory:- A monkey entex the mom via a door on the noom, near the window is a box. In the middle of the room hangs a banana from the ceiling the monkey wants to group the banana and can do
	so after climbing on the box in the middle of the room.
D	Stato:-
	For each state we need to record:
_	The position of the monkey (door, window, middle).
	- the position of the box.
	- If the monkey is on the box.
	- Of the monkey has the banana.
	'
	The Inihal state (dobe, window, no, no)
	The set of goal state is (x, x, x, yes)
D	Mores:
	Walk(P): from (M,B, no, H) to (P,B, no, H)
	PURCEP: from (m, m no H) to re en H
	cumb: from (M, M, No, H) to (M, M, yes, H)
	cumb: from (M, M, No, H) to (M, M, yes, H) grasp: from (middle, B, yes, no) to (middle, B, yes, yes)

Step by Step soln (a) 'Inihal' State description: At (Monkey, A) 1 At (Bananas, B) 1 At (BOX, C) 1 Height [Monkey, low) 1 Height (Box, Low) 1 Height (Barana, High) 1 Pub (Box) 1 Climoup (Box) (b) 6 achon schemas 1. Goto from one place to another: Action (Gola, y)
precondition: At (Monkey, xe) Effect: At (monkey, y) 1 7 At (monkey, x) 2 Push an object from one place to another. Achon Lpush (b, x,4) Pre condition: At (Monkey, x) 1 Can Push (b) Effect: AE(b,y) 1 At (Mankey, 4) 1 7 At (Mankey, X)1 At(b,x)3. Wimb up onto an object Achon: ambup (b) Precondinon: At(b,x) A At(monkey,x) 1 (cimbup(b) Effect: On (monkey, b) 1-> Height Cmonkey, High) 4. Climb from an object Achon: Climb down(b). Precondition: On (Monkey, b) 1 Height (Monkey, High) Effect - Jon(monkey, b) -> Height (monkey; righ) n Hught (mankey, eow) Grasp on object

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Achon: Grasp: Cobject, Posinon, height)
Precondingn: Height [Monkey, h) 1 Height (b, h) 1 Af [Monkey, e]

Effect: Has (Monkey, G) 6) Ungrasp an object Achon: lingrasp (b);
Precondinon Have (Monkey,b);
Effect: Hao (Monkey, object). · Condusion: Thus, we have successfully implemented the monkey banana problem and understood the steps.