	Assignment - AIR3
*	TITLE: goal stack Planning.
×	PROBLEM STATEMENT: Implement goal stack planning for the following
	PROBLEM STATEMENT: Implement goal stack planning for the following configuration from the block's world:
	A C D A D
0 *	OBJECTIVE: To learn & niplement goal stack planning.
W	OUTCOME: Be able to learn and successfully implement goal stack plans
*	SOFTWARE AND HARDWARE REQUIREMENTS: RITHOR 3, UNIX/LINUX 05, 64 bit
	CPY 8 GTB RAM
	and of the to the first property and the land of the l
de	THEORY:
	Blocks world Problem is described as follows: There are N blocks, a
	table and a robotic own. Blocks are identified by integers 1 N.
0	Each block can sit on top of another block, by on the block
	table; there can be a stack of blocks of auditrary hight.
,	However, only one block can be observery on another block. No
A A	2 blocks can be sitting abusety on the same block
	The bottom-line most block of a stack must be on the table.
	The table can hold any number of blocks.
	If there is no block on top of table block, then the block is
	clear. The eubotic arm can only hold one. If to botic arm does
	not hold any block, it is empty
	GOAL STACK PLANNER:

good stack planning integrates the advantages of forward & backward.

An action is added to the plan only if its pucconditions are satisfied. If any precondition is not satisfied, then we add a return action for that psecondition on stack and superat the same process. There hight be more than one relevant action for some prudicates; but since Goal stack planning Intes to choose only the relevant action starting from the goal state. The time it takes is smaller than forward & backward Algorithm! I' Push the goal state on stack 2 Repeat until the stack is empty: a) If stack top is a compound goal. Duplace it by an action that makes it sourcefied. i) push the action's performed percondition on stack. e) If stack top is an action i) check for unsatisfied prerequisites. ii) if all pretequisites are satisfied II) execute it It) change the knowledge base by action's effects I) push unsatisfied preconditions on stack. d) If stack top is a satisfied goal CONCUISION: Successfully implemented goal stack planning.