GOAL Stack Planning Joals is maintained. Accordingly, the corresponding actions are carried out to get the solution 1) Push the original geral into Stock If the top is compound good pus to the Stack. [Compond geral - Similarity with good in initial State need to cheek] geral Replace. by the anaction, push action pre- Conditions > If top is action then pop

No.	Da. Nilima Kuite 44
la fa m	MIT SOE papergrid
DITE	Date:
ex_	
#	Apply goal Stock Planning for Following Condition.
	Tiple good Jiliam
	following Condition.
	Toitial State Goal State
	Initial State God Si
	13
	C
	A B A C
,	
	T CLOTH Story alanning, a Story
-	In 9000 51092 P1971131
	of geals is maintained.
	- Accordigly, the corresponding actions
	are carlied out to get the sol
Stel	
- SA	The initial. State here is
	THE THITTEEN IS
	0, 0, 1, 1, 2, 0, 0, 0, 1, 1, 0
	On (A, table) ^ On (B, table) ^ on (C, A)
	clear (c) 1 (leas (B) 1 Empty-hand
	The good State is
	on (A, table) on (B,A) on (C, table) clear (C) ^ Clear (B) ^ Empty-hand
	on(C, table)
	Clear (C) (leas (B) / Empty-hand

in the state of	Dr. Vilima Kulkarni
740 153	Pdp _{eror}
	Date:
Stel	Lange Pinnia Discourie de
(3)	Now, we seplace the on (c)
	and add this to it. (the 21
	Now, we seploce the on (C, tou) and add this to it. (the Stock, Step 2)
TO CALL SYS	3127 2)
	12001-011 (((0)
	Unstock (C,A)
	Place (c)
	on (B,A)
	on (B,A) non (C, table) non (A, table)
CLOOCU	
Sterio	- We have added unstock (CA)
1.5	we need to add pae- Conditions
	for this.
todi uo	This is done in following way.
	I modified Stock will be I
Go	beach Massille & A
500	on (A, table)
	Clear (c)
	on (c,A)
	Empty-hand box
	Emply-hand on (C,A) cleas(c) on (A,tab)
	Unstock (CA) Clear(c) on (Atal)
	Place (c)
B 4	on (B,A)
	on (B,A) non (c, table) non (A, table)
	on (A, table)

Dr. Nilima Kulkarni papergrid

Date: / /

	Date: / /
Stepe	William Day of the Control of the Co
1	to the Stock in Stock
	can observe that on (A table) is
	Valid. So we can semove this
	from Stock.
bol	Similarly, clear(c) and an(c,A) is
	ase also valid so we can semove
	these also Empty-hand Condition also
İs	talid. Remove it.
	Since all pre-conditions are Valid
	they are removed.
	Finally the Stock has.
altip	Unstack (CC,A)
	Place CC). 12000 and
Ross	on CB,A)
. 14.14	on (BA) ^on (C, table) ^on (A, table)
	Without the state of the same
RP (B) And the state of
	-> Since all Pre-conditions are Satisfied
	for unstack operation to occur, we
	Record this action to be the first
22.	Step Thos is required
	out in the planning Sequence.

Dr. Nilima Kulkarni Date: DITO KADO FOR place (c) the preconditions - the hand should be holding com then only it can be placed As this pre-condition are valid the action is also finalised + Thus the Sequele is Continued onces finalized, geral is ochived. + These could be cases, where multiple options can exist. + So, these could be two or more god Stocks, where the operations has to be carlied out the next good is looked upon Similary, the actions and to the Conditions are added.