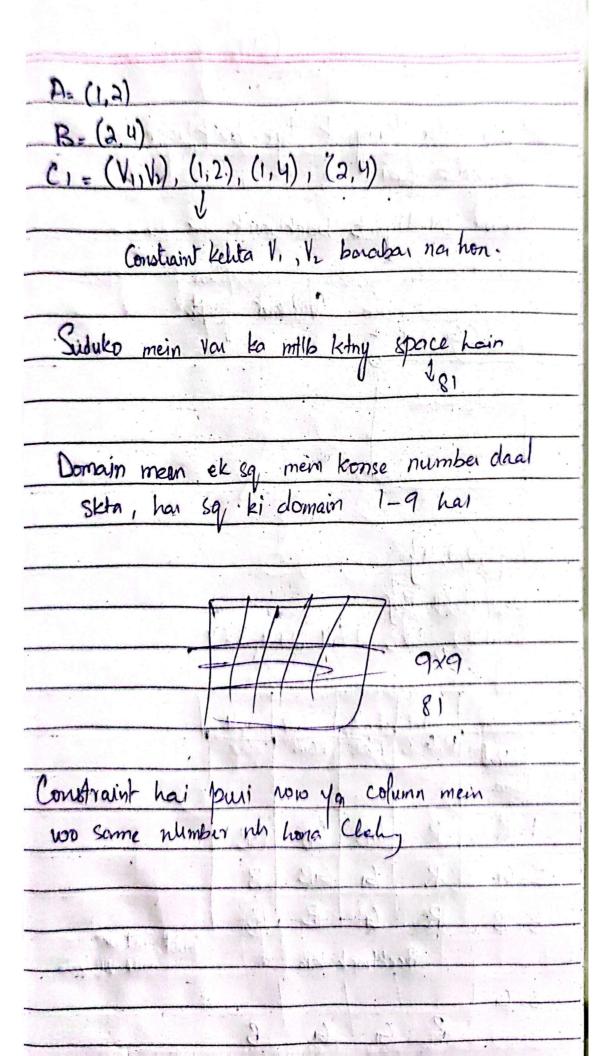
C	ONSTRAINT	SATISFACTION CSP).	ROBLEM
,	(	CSP)	the state of the s
-) Used i	n Juduko,	graph coloning	9
-> CSP con	nsist of the	ce component 1	1, D, C
-7 V is	a set & van	iable (V, Yz,	Voj -> finite von ont or each variable const cify allowable const of values
- Dio se	t of domain [	Di, Dr, Da Cone	or each variable
-) Cis sete	onstraint (C.	, L, Ls, & that spe	ify allowable cons
	kind of well	and the state of t	of values
		The state of the s	
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- Seesei	set of var th	at participate in	constiaints
/ Varia	ble = VI	, 1,	
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4		and the same	
C Reh	$\frac{1}{2}$	i value uneopial V2)	1000 chaluje
		4.7	
21	1. If at	dding the where	e that variable
- Kel 1	helation that	odine her him	e may receive
- CM1-74	<u>~</u>		
Ano	ther way of	representating	
	,		
Cı-	/(V.V.) (	A, B)	

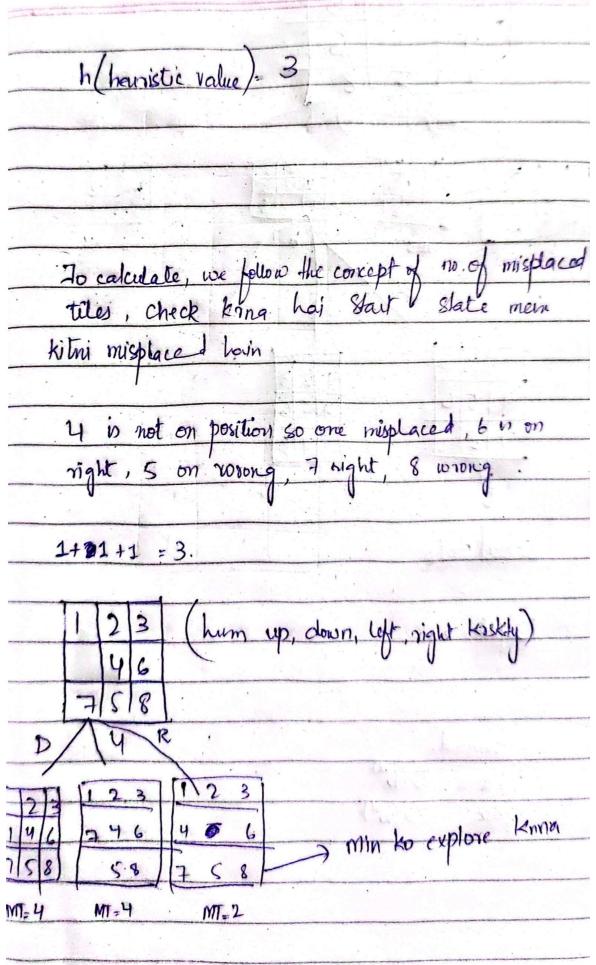


CSP K	(o (	tolve k	arry	k ly	e back	stracking
use	hot	ta he	zj U	U,		1) ((1, 0)
						se hogo
						W 121
			ji .	Constrai	it gray	ph
1	C	G	ン 一			
	1					
					Q. 10 1 V	
				W.	A. A.	All the other
				17 17 16 16 16 16 16 16 16 16 16 16 16 16 16	12	
V=	1,2	3,43				
D:	SR	GB	4			
C=	11+	2. 1#	3.1#	-4,2+	ų, 3±9	And My
	t'	1				dome or
an and a state of the state of			2	3	4	
Init	ial	R, GIB	RGB	RGB	RGB	
Dor	n.			1		
1= K		R	61B	GB	GB	Children Street
2=6	1	R	6	GB	В	
3=1	V	R	6	B	(B)	
		· · · · · · · · · · · · · · · · · · ·	ekhar	k Kia		) Constraint because rule violate
3=6	9	7014	, , , ,	All and the state of the state		
	1	R	G	6	В	

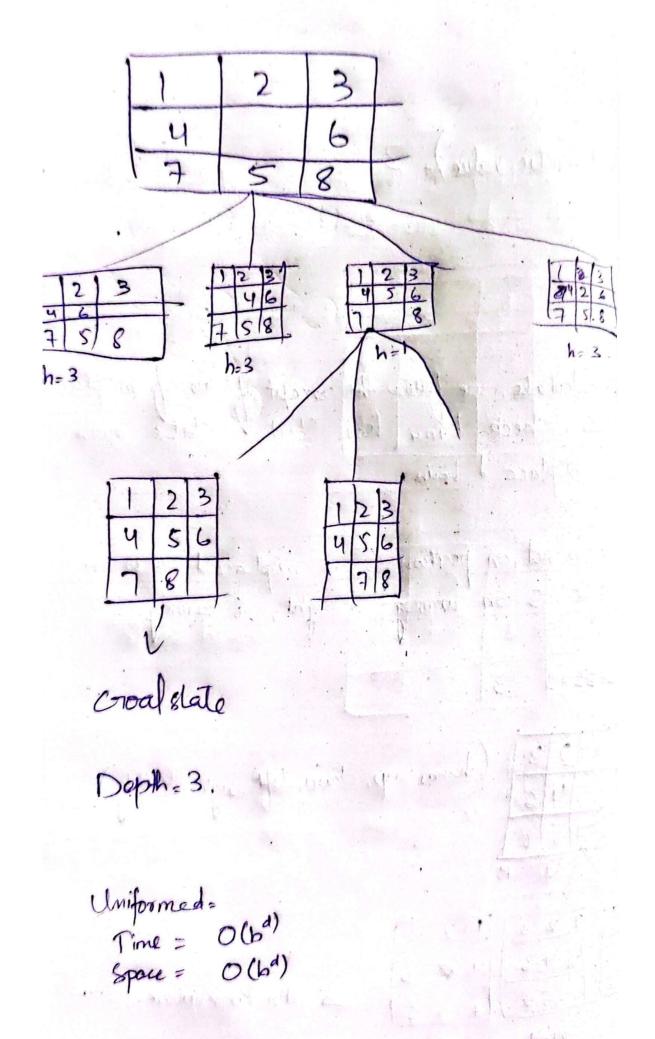
of the technique designed to solve problem quickly.
Heuristic_s making assumption for anything, tying to find quick so lution
-> Reduce Pime
10/X
best dekhenge
Find out Heuristic value? from Eucledian distance:
Start O Great
$J(x_2-x)^2+(y_2-y_1)^2$
Blind scarch mein har jagah jones.

## Manhattan distance is used to find vertical and houzontal distance. Start State I april jagah pr hai to 0 movement, 3 and 2 jab swap honge to 1+1, 4 two times left move, 5 on right position (0) 6 two right more; 7 two lift more, on righ pos. W. D = 0+1+1+2+0+2+2+0

No. of Misplaced Pices.
V January January & Lang Land
Tis on right, 2 is not, 7 is not, 8 is on right
Sis on right, 6 is not, 7 is not, 8 is on right
1+1+1+1=5 No.01 misplaced tiles = 5
abol michle ad tilon = 5
No. of Mispacea aces
Te way without hain (Heuristic)  -, good solution not optimal solution
great solution not oblimal solution
-, -Joe 20 was -
00.0
8-PUZZLE PROBLEM WITH HEURISTIC
WITH HEURISTIC
(Informed Search)
1 2 3 1 2 3
46 456
758718
Initial Goal.



Blind & uniformed hota to bagis bhi aplove Kity



Thi