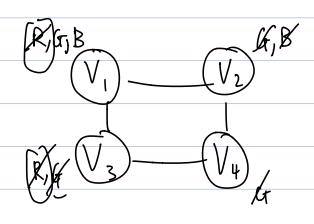
$\sim$			
(1)		Standard Search Problem	Constaint Satisfaction Problem
		- Both requires heuristics which	is used to find optimal solo
	Similarity	- Both have a goal test.	<b>,</b>
	J	J	
		- Interested in sequence of action	- Interested in the goal itself,
		to the goal	not the sequence of actions there
	Differences	- Actions (path) have various	-All actions (path) at the
		Costs, depths	same depth
		- SCP cannot be formulated	- CSP can be formulated as
		as a CSP	a scp

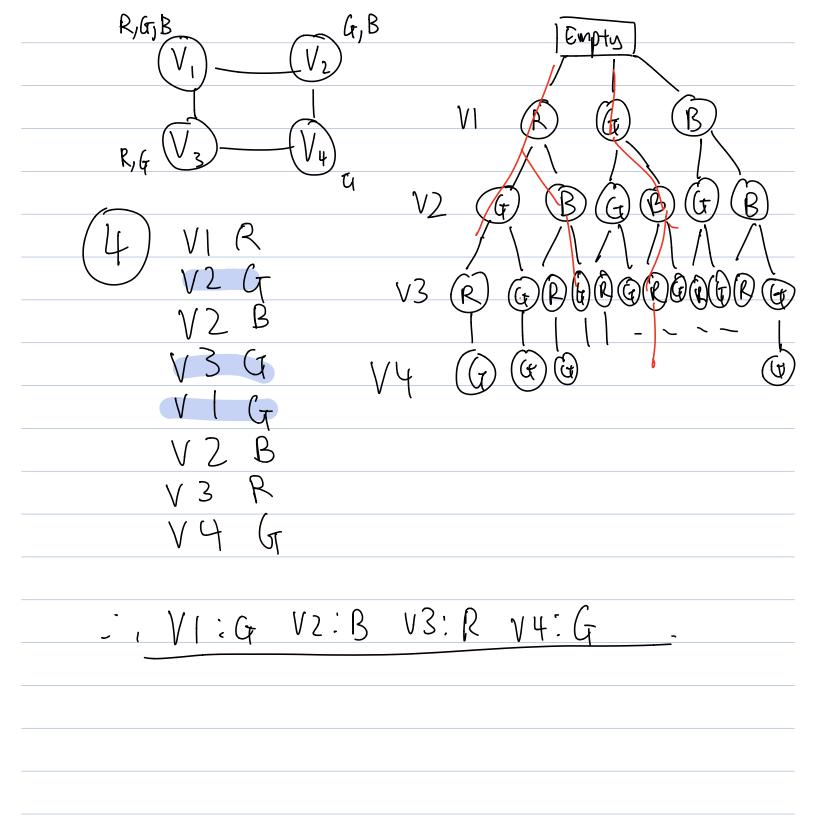
(2.) Variables: ABCDEX, X2	
Domains! {0,1,2,3,4,5,6,7,8,9} (D) (B) (B)	
Constraints: - all diff (A,B,C,D,E)	
- B+B = E+ 10x, (x)	
- AtAt X1 = D + 10x2	
$- \times_2 = C$	

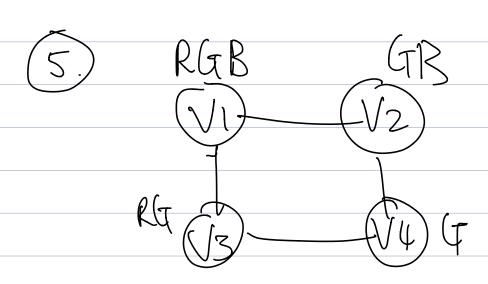


(Badetrack)

Empty V2 G V3 R V3 G 11 V4 G V3R DO DO O O O O O O O O V3 G V2 G V2 B V3 R V4 G

i. VI:G, V2:B, V3: R, V4:G.





## Queuc

-VI -> W2: DI= RGB, D2=GB 12-> V): D2=GB, D=RGB ARC -V4 -7 V2; D4= G, D2= GB VI -> VZ ₩2 > V4: D2-J4B, D4=4 V2 -> V) VI-5 V3: DI=RGB, D3= RG V4 7 V2 43-741 : D3-RGB V2-7 V4 +3->v4: D3=R/F, D4=G V1-> V3 V4-7V3:D4=G, D3=Rv3->Vt VI-7 VZ : DI=RG8, DZ=B V3->V4 V4-> 1) : D4= G, D2= B 14713 VI > V3 : DI= RG, D3 = R : D2=B, D1=G V2>V| V3->V1 : D3=R, D1-G