

Full credit Answers:

D variables: $\{ \text{Cisco}, \text{Amazon}, \text{Google}, \text{Netflix}, \text{Salesforce} \}$

Domains: $\{ \{ \text{John}, \text{Bob}, \text{Suresh} \} \}$

Constraints:

1) Cisco \neq Amazon

5 points

2) Cisco \neq Netflix

3) Cisco \neq Salesforce

4) Amazon \neq Netflix

5) Google \neq Salesforce.

Constraint Graph:

$\{ \text{Bob}, \text{John}, \text{Suresh} \}$

$\{ \text{Suresh} \}$

Cisco

Amazon

5 points

Google

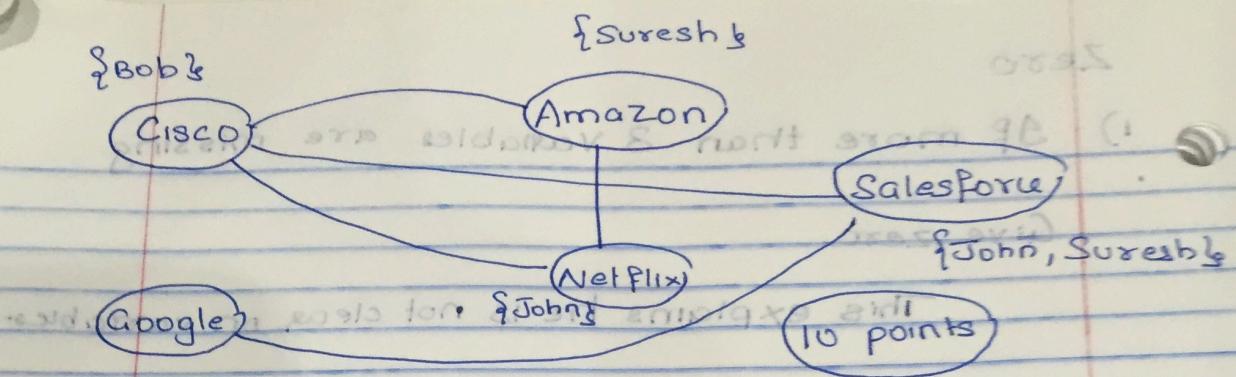
Netflix

$\{ \text{Bob}, \text{John}, \text{Suresh} \}$

$\{ \text{John}, \text{Suresh} \}$

$\{ \text{John}, \text{Suresh} \}$

Arc Consistency.



4) Solution for CSP

Cisco - Bob

Amazon - Suresh

2 points

Netflix : John

Google : John

Salesforce : Suresh