

Introduction:

Questions: (* questions can be used for evaluation)

1. Connect the subjects with the relations. It need not be straight lines. Color two subjects with a connection with different colors.

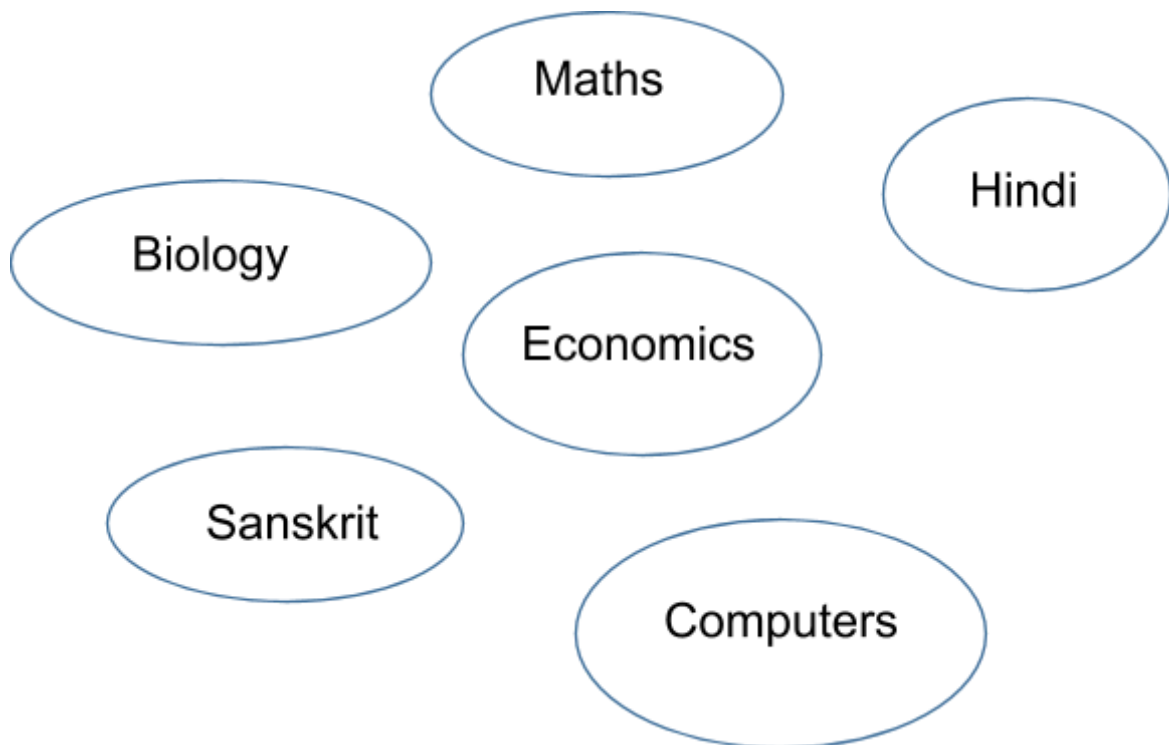
These defines the relations with the subjects.

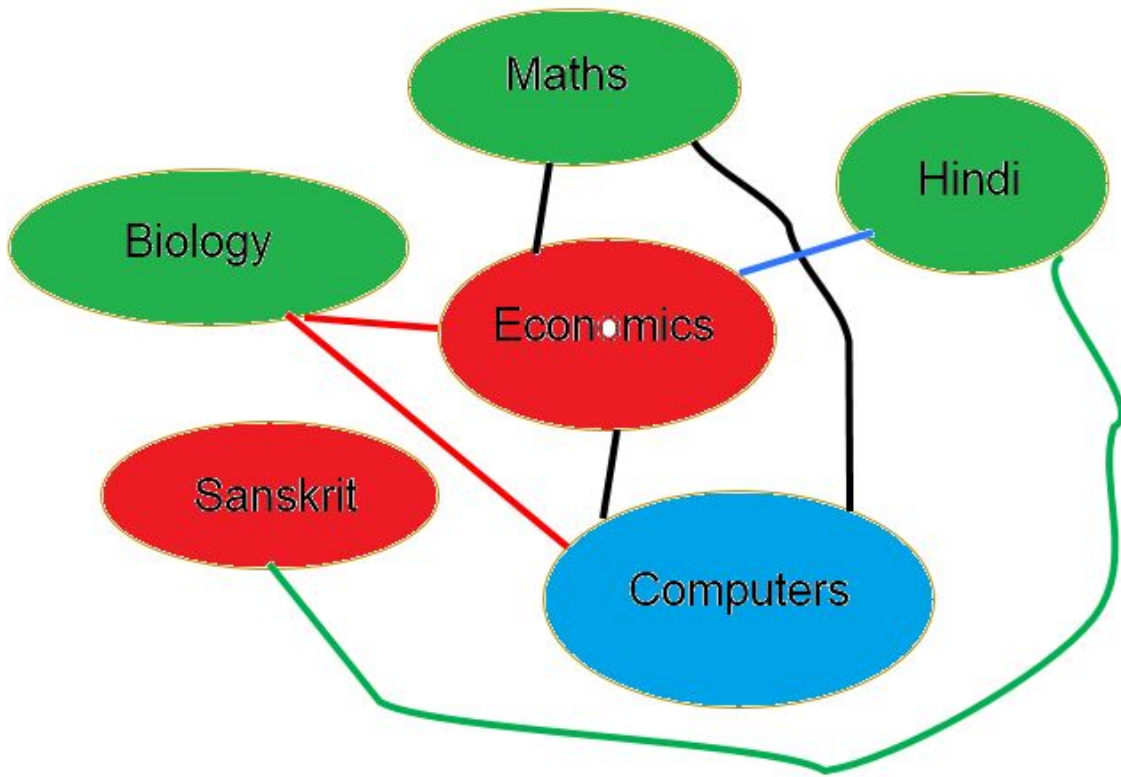
Suman has taken Maths, Economics and Computers

Ravi has taken Biology, Computers and Economics

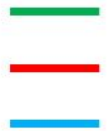
Lucy madam teaches Sanskrit and Hindi

Economics and Hindi are taught in the same class room



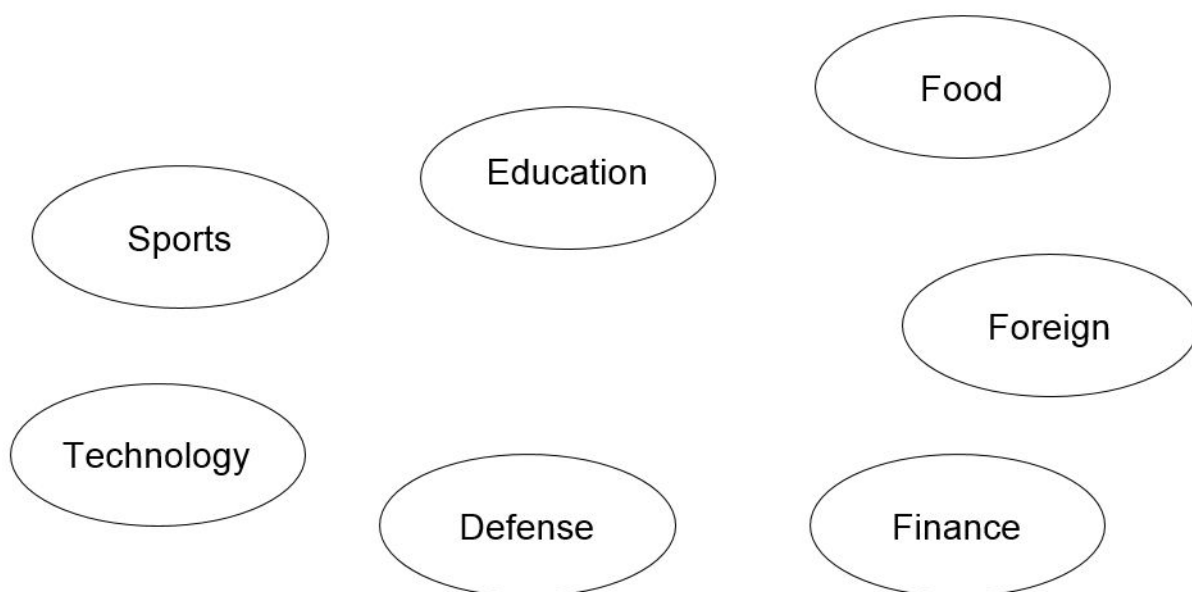


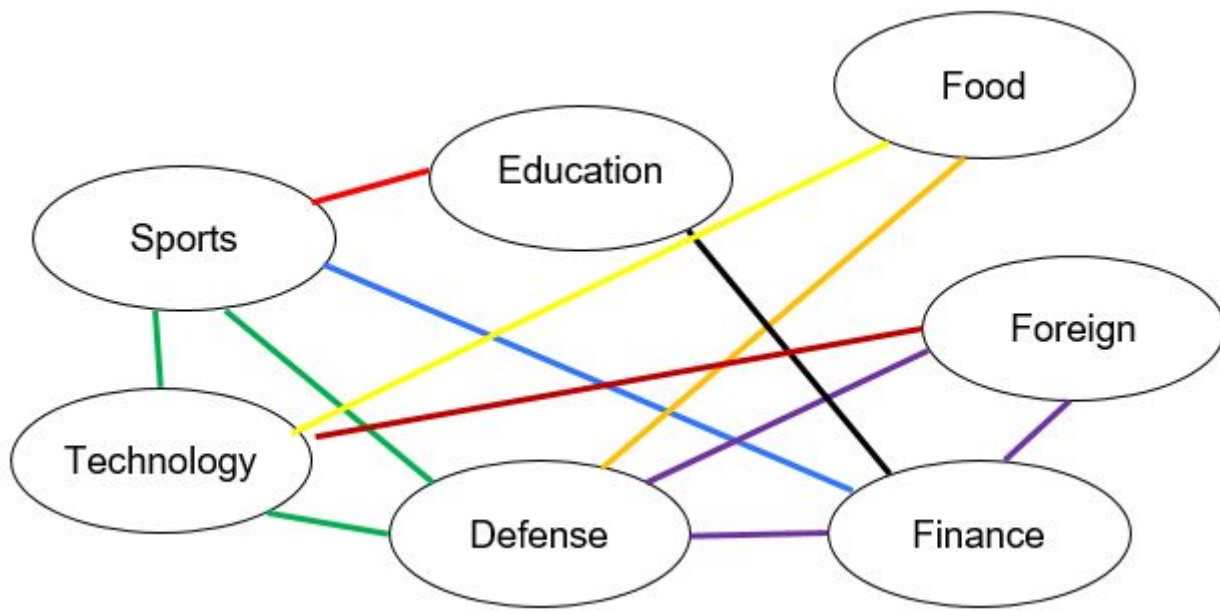
We can have Maths Biology and Hindi As period 1
Period 2 can be Economics and Sanskrit
Period 3 can be Computers



2. Assign different slots so that the ministers can meet in all their portfolios.

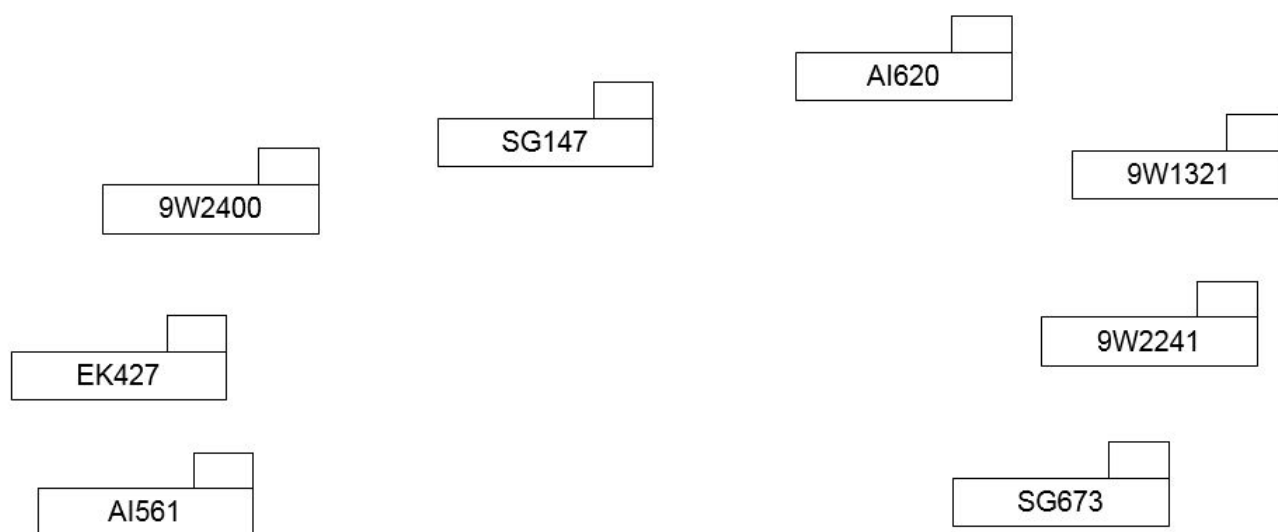
Portfolio	Ministers
Sports	Mahajan, Sulekha, Pandian
Defence	Pandian, Manmohan, Mohanty
Education	Mahajan, Ashraf
Food	Manmohan, Zubaida
Foreign Affairs	Mohanty, Fernandes
Finance	Sulekha, Mohanty, Ashraf
Technology	Pandian, Zubaida, Fernandes





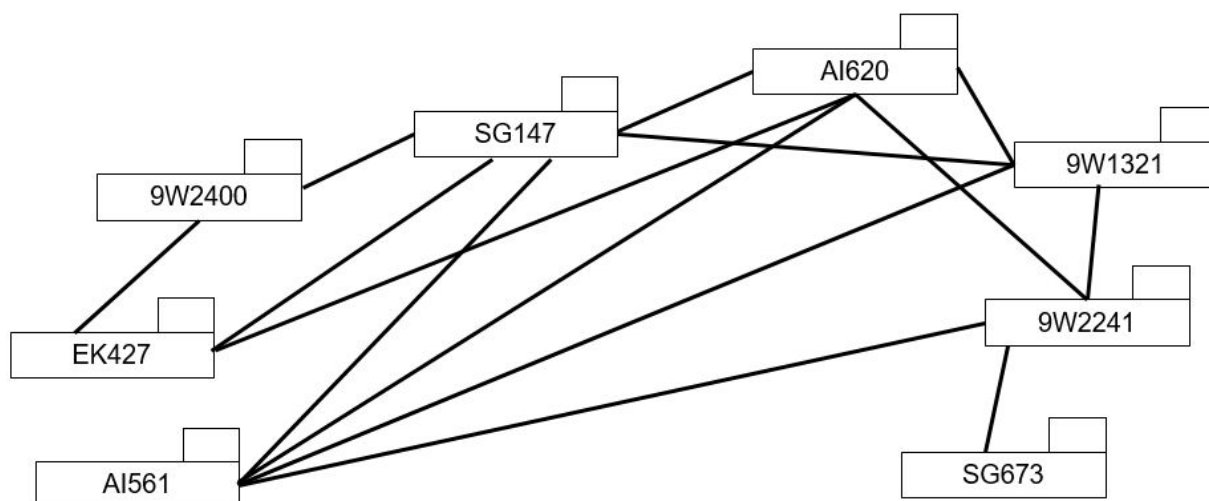
3. Assign different flight levels to aircrafts coming or taking off within 15 minutes of each other.

	<u>Arrivals</u>		<u>Departures</u>
9W2400	7:00	EK427	7:03
SG147	7:12	AI561	7:20
AI620	7:18	9W1321	7:21
9W2241	7:31	SG673	7:40



Aircraft 1	Aircraft 2	Aircraft time	Aircraft 2 time	Time difference	Connected
9W2400	SG147	7:00	7:12	12	Y
9W2400	AI620	7:00	7:18	18	N
9W2400	9W2241	7:00	7:31	31	N
9W2400	EK427	7:00	7:03	3	Y
9W2400	AI561	7:00	7:20	20	N
9W2400	9W1321	7:00	7:21	21	N
9W2400	SG673	7:00	7:40	40	N
EK427	SG147	7:03	7:12	9	Y
EK427	AI620	7:03	7:18	15	Y
EK427	9W2241	7:03	7:31	28	N

EK427	AI561	7:03	7:20	17	N
EK427	9W1321	7:03	7:21	18	N
EK427	SG673	7:03	7:40	37	N
SG147	AI620	7:12	7:18	6	Y
SG147	9W2241	7:12	7:31	19	N
SG147	AI561	7:12	7:20	8	Y
SG147	9W1321	7:12	7:21	9	Y
SG147	SG673	7:12	7:40	28	N
AI561	AI620	7:20	7:18	2	Y
AI561	9W2241	7:20	7:31	11	Y
AI561	9W1321	7:20	7:21	1	Y
AI561	SG673	7:20	7:40	20	N
AI620	9W2241	7:18	7:31	13	Y
AI620	9W1321	7:18	7:21	3	Y
AI620	SG673	7:18	7:40	22	N
9W1321	9W2241	7:21	7:31	10	Y
9W1321	SG673	7:21	7:40	19	N
9W2241	SG673	7:31	7:40	9	Y



Based on the timing connect the lines. Once the lines are connected color such that no two connected aircraft have the same color. Start with red.

