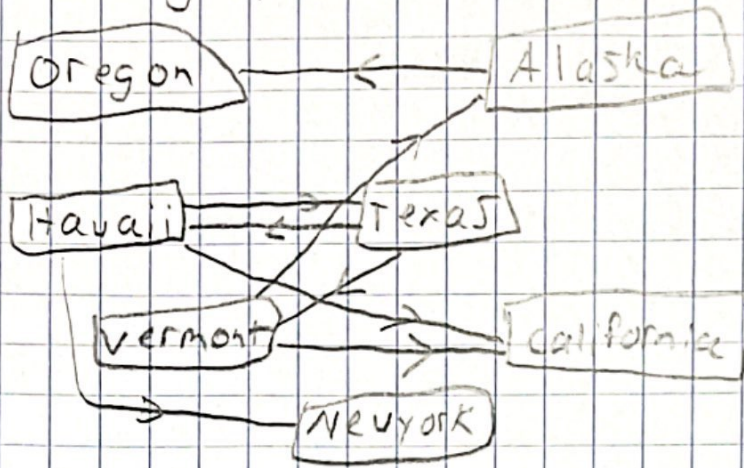


1. State graph

Brady Holdre



V = vertices of graph

E = edges of which are showing the path between vertices

2.

a. there is no path from oregon to another state

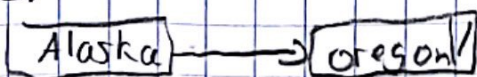
b. There are paths from hawaii to every state

c. path to hawaii only from texas

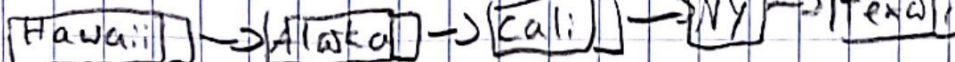
3.

a.	Alaska	cali	Hawaii	NY	Oregon	texas	vermont
Alaska	0	0	0	0	1	0	0
california	0	0	0	0	0	0	0
Hawaii	1	1	0	1	0	1	0
New York	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0
Texas	0	0	1	0	0	0	1
vermont	1	1	0	0	0	0	0

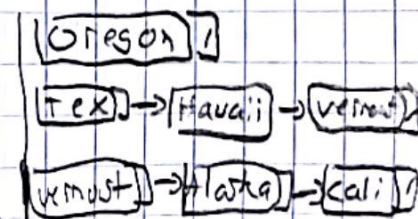
b.



California



NY



4.
a.
c
b.
A

5.
Atlanta to houston - 800
Atlanta to Washington - 600
Atlanta to Dallas - $600 + 1300 = 1900$
Atlanta to Denver - $600 + 1300 + 780 = 2680$
Atlanta to chicao - $600 + 1300 + 900 = 2800$
Atlanta to Austin - $600 + 1300 + 200 = 2100$

