Attendance Quiz for Lecture 8

NAME: (print!) ________Shah

E-MAIL ADDRESS: (print!) is 50

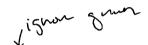
- 1. There is a network of 4 cities 1, 2, 3, 4 with the following distances
- distance between 1 and 2 is 5 miles
- distance between 1 and 3 is 4 miles
- distance between 1 and 4 is 2 miles
- distance between 2 and 3 is 7 miles
- distance between 2 and 4 is 6 miles
- distance between 3 and 4 is 1 miles

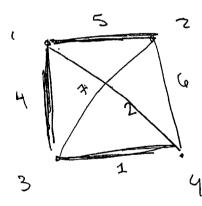
Solve the travelling salesman problem for this network.

fm

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puths.





(13)
$$3,1,2,4 \rightarrow 4+7+0+1=18$$

(14) $3,1,4,2 \rightarrow 4+2+6+7=19$
(15) $3,2,1,4 \rightarrow 7+5+2+1=15$
(10) $3,2,4,1 \rightarrow 7+6+2+1=19$
(17) $3,4,1,2 \rightarrow 1+2+5+7=15$
(18) $5,4,2,1 \rightarrow 1+6+5+4=16$
(18) $5,4,2,1 \rightarrow 1+6+5+4=16$
(19) $4,1,2,3 \rightarrow 2+5+7+1=15$
(20) $4,1,3,2 \rightarrow 2+4+7+1=16$
(21) $4,2,3,1 \rightarrow 6+7+4+1=16$
(22) $4,2,3,1 \rightarrow 6+7+4+1=16$
(23) $4,3,1,2 \rightarrow 1+4+5+0=16$
(24) $4,5,2,1 \rightarrow 1+7+5+2=15$