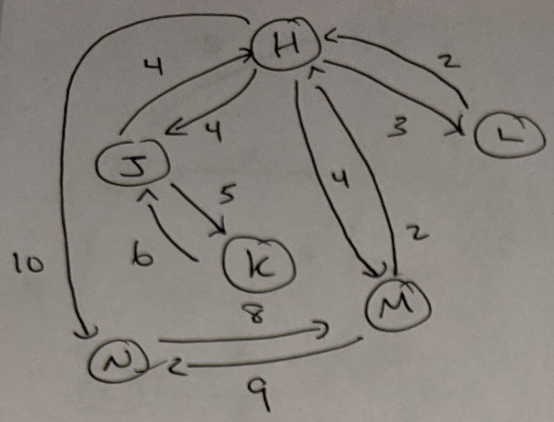

Distance of route
HMN = 4+9 = 13
Distance of route
HNM = 10+8 = 18
Distance of route
LHN = 2+10 = 12
Distance of Route
LHMNMHJK
= 2+4+9+8+2+4+5
= 6+9+10+9
= 15+10+9
= 34

# of diffnt routs from
L to M with distance < 20
- LHM
- LHMLHM
- LHMLHMLHM
- LHNM
= 4

# of different routs from L to M with distance < 15
LHM = 6
LHMLHM = 12
= 2

# of diffnt routs from L to M with distance < 21
LHM
LHMLHM
LHMLHM
LHNM = 4

Length of shortest route from L to N
= 12 = LHN = 12
= LHMN = 14

# of trips starting at N and ending at K with max 3 stops
0

# of trips starting at N and ending at with max 5 stops
NMHJK = 1