

Each day, SUNCO manufactures four types of gasoline:

lead-free premium (LFP)

• lead-free regular (LFR)

leaded premium (LP)

leaded regular (LR)

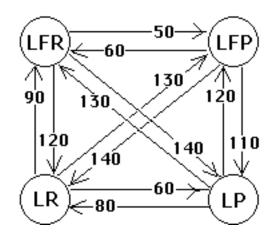
Because of cleaning and resetting of the processing equipment, the time required to produce a batch of gasoline depends on the type last produced:

LAST- PRODUCED	GAS TO BE NEXT PRODUCED			
GASOLINE	LFR	LFP	LR	LP
LFR		50	120	140
LFP	60		140	110
LR	90	130		60
LP	130	120	80	

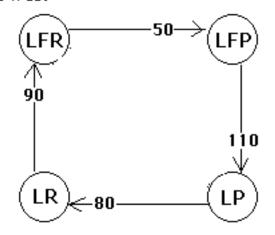
In which order should the gasolines be produced each day?

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Consider a tour of the nodes in the network:



For example, if the order of the production is as shown:



then the total production time will be 50+110+80+90 = 330 minutes

The best order will be that of the shortest "salesman's" tour!

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WALLPAPER CUTTING

