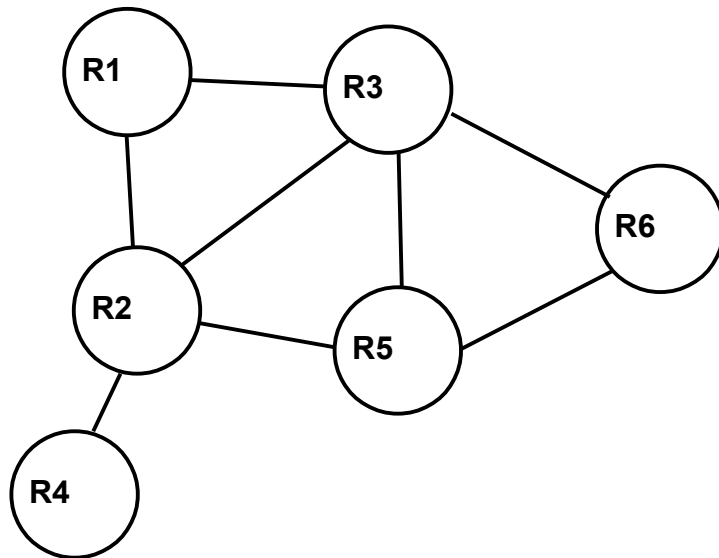


Given the topology shown below, and the routers' label tables shown below:

1. Trace the LSP for each FEC listed in **R6's** table, and identify the router-label combinations used for each hop (ie. fill in middle chart)
2. Identify the routers which originated each FEC (ie. fill in last col in R6 table)
3. **Submit** your answers on Blackboard!!

Network Topology



Hop-by-Hop Router-Label combinations

X – \_\_\_\_\_  
 Y – \_\_\_\_\_  
 Z – \_\_\_\_\_  
 Q – \_\_\_\_\_

R6 Label Table

FEC	OUT Label	Next Hop	Originator?
X	100	R3	
Y	100	R5	
Z	160	R5	
Q	260	R5	

IN label	OUT label	Next Hop
<b>R1</b>		
240	130	R2
110	140	R3
330	pop	IP
140	130	R2
<b>R2</b>		
170	330	R1
140	pop	IP
130	150	R4
350	210	R4
160	110	R1
<b>R3</b>		
100	300	R5
140	pop	IP
220	140	R1
130	170	R2
200	240	R1
<b>R4</b>		
150	pop	IP
210	pop	IP
160	200	R3
<b>R5</b>		
160	160	R2
100	220	R3
300	350	R2
150	pop	IP
260	130	R3