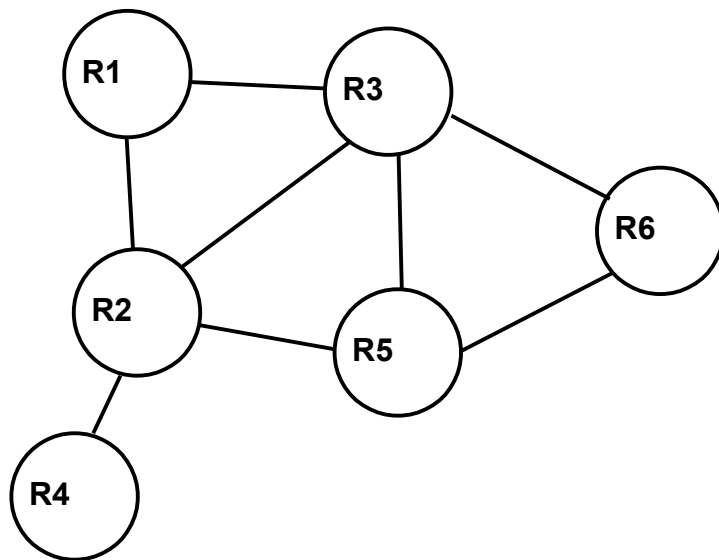


Given the topology shown below, and the routers' label tables shown below:

- 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)
- Identify the routers which originated each FEC (ie. fill in last col in R6 table)
- Submit** your answers on Blackboard!!

Network Topology



R6 Label Table

FEC	OUT Label	Next Hop	Originator?
X	220	R3	
Y	160	R5	
Z	200	R3	
Q	130	R3	

Hop-by-Hop Router-Label combinations

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

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