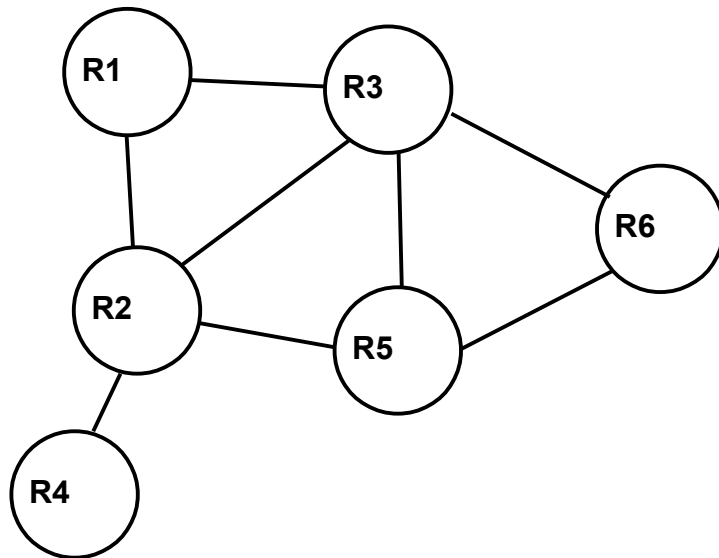


Given the topology shown below, and the routers' label tables shown below:

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 BrightSpace.

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
R1		
240	130	R2
110	140	R3
330	pop	IP
140	130	R2
R2		
170	330	R1
140	pop	IP
130	150	R4
350	210	R4
160	110	R1
R3		
100	300	R5
140	pop	IP
220	140	R1
130	170	R2
200	240	R1
R4		
150	pop	IP
210	pop	IP
160	200	R3
R5		
160	160	R2
100	220	R3
300	350	R2
150	pop	IP
260	130	R3