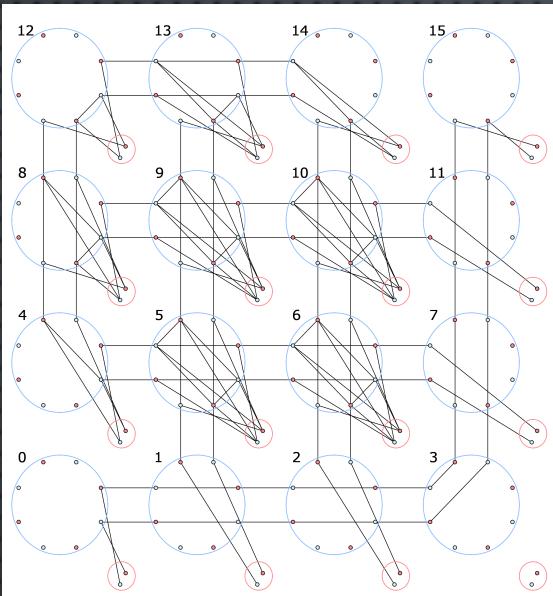


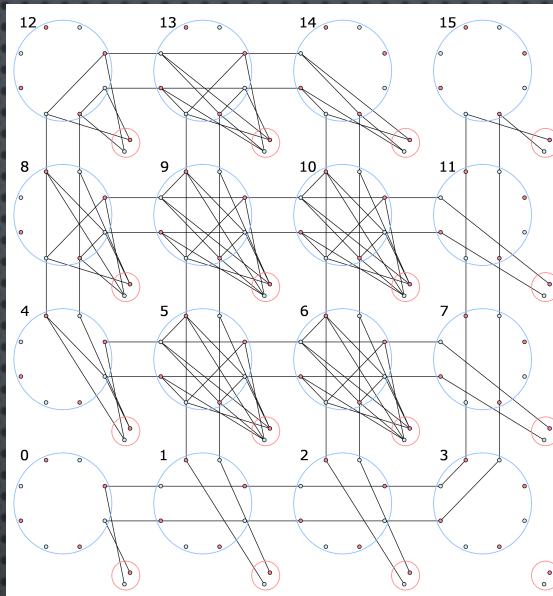
Version Characteristic	Baseline LBDR	Extended LBDR (20 routing bits)			Routing Table		
Isolation Guarantee	-	+			+		
		SC1	SC2	SC3	SC1	SC2	SC3
Avg. Connectivity (in scenario)		10.21 Adaptive	7.5 Adaptive	9.5 Adaptive	10.7 Adaptive	10.42 Adaptive	10.78 Adaptive
			6.21 XY	7.8 XY			
		20.52 Adaptive	No adaptive	No adaptive	26.87 Adaptive	27.79 Adaptive	30.56 Adaptive
Avg. Latency (clk cycles)			19.3 XY	20.12 XY			
		3.66 Adaptive	No adaptive	No adaptive	3.82 Adaptive	3.53 Adaptive	3.73 Adaptive
			3.8 XY	3.9 XY			
Scalability	+	+			-		
Non-Minimal Path Support	-	-			+		
Requires Logic Modification	Not Applicable	YES			NO		

NoC Size	4x4
Critical Nodes	0, 15
Critical Path	
Scenario 1	0, 1, 2, 3, 7, 11, 13
Scenario 2	0, 1, 5, 9, 10, 14, 15
Scenario 3	0, 1, 5, 9, 13, 14, 15
Packet Injection Rate (PIR)	0.01 Packets/Cycle/Node
Flow Control	Credit Based Wormhole Switching
Buffer Size	4 Flits
Virtual Channel(s)	No
Packet Size	8 Flits

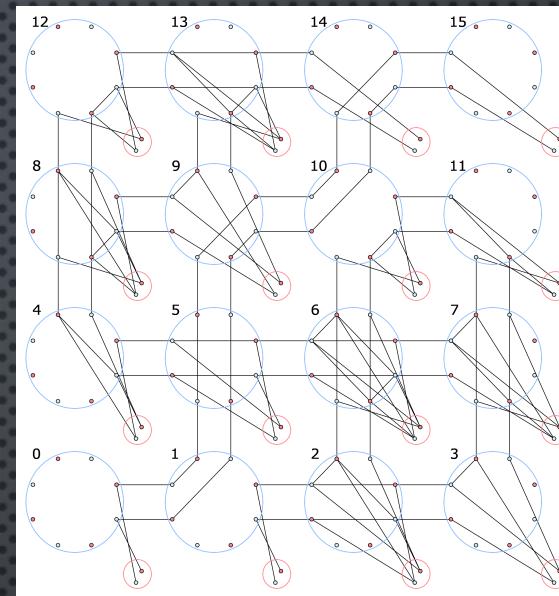
- Adaptive routing uses an algorithm which selects routing algorithm with highest connectivity.



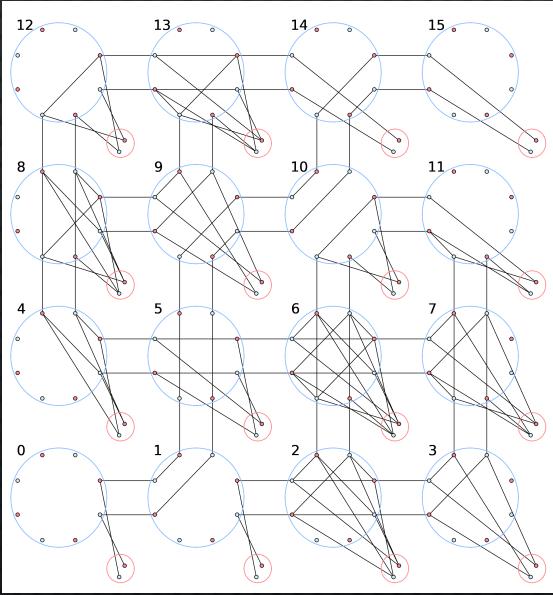
Scenario 1 Minimal



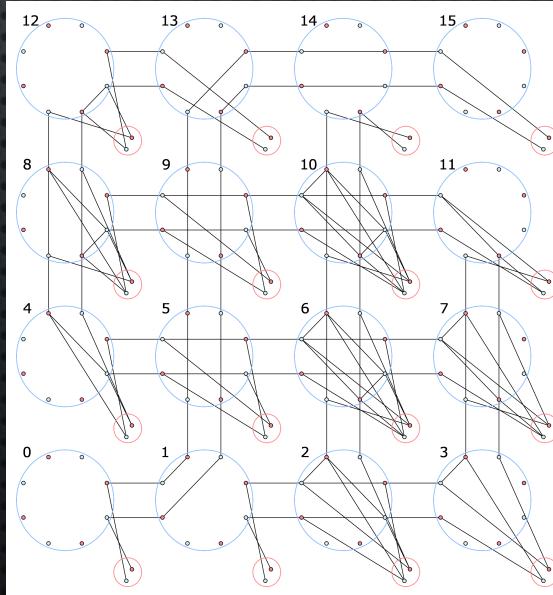
Scenario 1 Non-Minimal



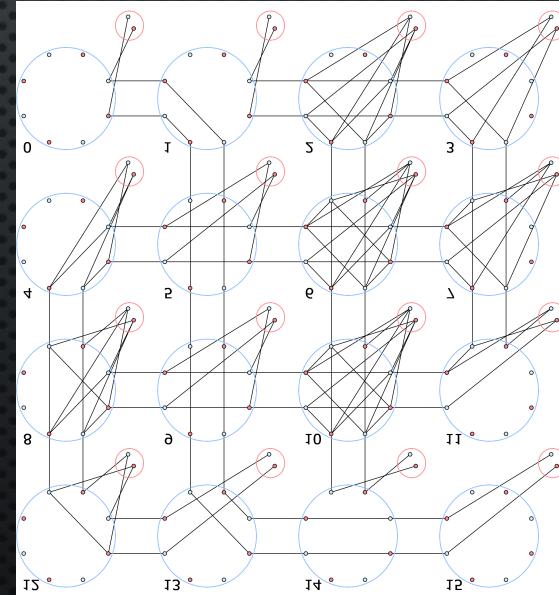
Scenario 2 Minimal XY



Scenario 2 Non-Minimal



Scenario 3 Minimal XY



Scenario 3 Non-Minimal