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Round Robin		
 Operates on the request matrix 		
 Extension of the WFA (Wave Front Arbiter), very easily implementable in hardware 		
Definitions		
 Generalized diagonal is a set of N elements of a matrix NxN such that two elements do not belong to the same row or column 		
 A set of N diagonal is said to be covering if each element of the matrix belongs to one and only one diagonal 		
 In each time slot, the algorithm goes through N iterations 		
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Traffic scenarios		
 Uniform traffic Bernoulli i.i.d. arrivals usual testbed in the literature "easy to schedule" 	$\Lambda = \frac{\rho}{N} \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 &$	
 Diagonal traffic Bernoulli i.i.d arrivals critical to schedule, since only two matchings are good 	$\Lambda = \frac{\rho}{3} \begin{bmatrix} 2 & 1 & 0 & 0 \\ 0 & 2 & 1 & 0 \\ 0 & 0 & 2 & 1 \\ 1 & 0 & 0 & 2 \end{bmatrix}$	
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Router/switch architectures

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