

P**Q****R****S****T****U****V** $C_{11} =$

$A_{11}B_{11}$	$A_{12}B_{11}$	$A_{21}B_{11}$	$A_{22}B_{11}$
$A_{11}B_{21}$	$A_{12}B_{21}$	$A_{21}B_{21}$	$A_{22}B_{21}$
$A_{11}B_{11}$	$A_{12}B_{12}$	$A_{21}B_{12}$	$A_{22}B_{12}$
$A_{11}B_{22}$	$A_{12}B_{22}$	$A_{21}B_{22}$	$A_{22}B_{22}$

Green			Green
Green			Green

		Gray	Gray

Gray			
Gray			

			Red
			Green

Red	Red		

Gray		Gray	
Gray		Gray	

	Green		Red
	Green		Red

 $C_{12} =$

$A_{11}B_{11}$	$A_{12}B_{11}$	$A_{21}B_{11}$	$A_{22}B_{11}$
$A_{11}B_{21}$	$A_{12}B_{21}$	$A_{21}B_{21}$	$A_{22}B_{21}$
$A_{11}B_{11}$	$A_{12}B_{12}$	$A_{21}B_{12}$	$A_{22}B_{12}$
$A_{11}B_{22}$	$A_{12}B_{22}$	$A_{21}B_{22}$	$A_{22}B_{22}$

Gray			Gray
Gray			Gray

		Gray	Gray

Green			
Red			

			Gray
			Gray

Green	Green		

Gray		Gray	
Gray		Gray	

	Gray		Gray
	Gray		Gray

 $C_{21} =$

$A_{11}B_{11}$	$A_{12}B_{11}$	$A_{21}B_{11}$	$A_{22}B_{11}$
$A_{11}B_{21}$	$A_{12}B_{21}$	$A_{21}B_{21}$	$A_{22}B_{21}$
$A_{11}B_{11}$	$A_{12}B_{12}$	$A_{21}B_{12}$	$A_{22}B_{12}$
$A_{11}B_{22}$	$A_{12}B_{22}$	$A_{21}B_{22}$	$A_{22}B_{22}$

Gray			Gray
Gray			Gray

		Green	Green

Gray			
Gray			

			Red
			Green

Gray	Gray		

Gray		Gray	
Gray		Gray	

	Gray		Gray
	Gray		Gray

 $C_{22} =$

$A_{11}B_{11}$	$A_{12}B_{11}$	$A_{21}B_{11}$	$A_{22}B_{11}$
$A_{11}B_{21}$	$A_{12}B_{21}$	$A_{21}B_{21}$	$A_{22}B_{21}$
$A_{11}B_{11}$	$A_{12}B_{12}$	$A_{21}B_{12}$	$A_{22}B_{12}$
$A_{11}B_{22}$	$A_{12}B_{22}$	$A_{21}B_{22}$	$A_{22}B_{22}$

Green			Green
Green			Green

		Red	Red

Green			
Red			

			Gray
			Gray

Gray	Gray		

Red		Green	
Red		Green	

	Gray		Gray
	Gray		Gray