



/2]									
U[(j-1)/2]								9	
U[(j-3)/2]								8	
U[(j-5)/2]								7	
V'_even			V'16						
V'_odd				V'17					
V[(j+5)/2]									12
V[(j+3)/2]									11
V[(j+1)/2]									10
V[(j-1)/2]									9
V[(j-3)/2]									8
V[(j-5)/2]									7
Ubuff							U13-	u13	
V buff							V13-		v13
Multipli cation	<b>u(21*)</b> U11/U6 <b>v(21*)</b> V11/V6	<b>u(52*)</b> U10/U7 <b>v(52*)</b> V10/V7	<b>u(159*)</b> U9/U8 <b>v(159*)</b> V9/V8	<b>E(Y)</b> (76284 *Y16) <b>O(Y)</b> (76284 *Y17)	<b>E(u')G</b> (-2562 4*U'16) <b>O(u')G</b> (-2562 4*U'17)	<b>E(u')B</b> (13225 1*U'16 ) <b>O(u')B</b> (13225 1*U'17 )	<b>E(v')R</b> (10459 5*V'16 ) <b>O(v')R</b> 10459 5*V'17 )	<b>E(v')G</b> (-5328 1*V'16 ) <b>O(v')G</b> (-5328 1*V'17 )	

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Lead In

State Clock /Clock Cycle	0	1	2	3	4	5	6	7	8	9	10
SRA M_ad dress	Y0Y1	U0U1	V0V1	U2U3	V2V3						
SRA M_re ad_d ata				Y0Y1	U0U1	V0V1	U2U3	V2V3			
SRA M_wr ite_d ata											R0G 0
SRA M_w e_n	1	1	1	1	1	1	1	1	1	1	0
R								R0			
G									G0		
B										B0	
Y				Y0Y1							
U'					U0					U1	
$U[(j+5)/2]$							U3	V3			
$U[(j-5)/2]$					U0						
$U[(j+3)/2]$							U2	V2			
$U[(j-3)/2]$					U0						







