

11.2 Multiplication with Booth recoding for $15_{10} \times 13_{10}$.

A		00	11	11		15
X	×	00	11	01		13
Y		+A	-A	+A		Recoded multiplier operation
<hr/>						
Add +A	+	00	11	11		
Shift 2-bit		00	00	11	11	
Add -A	+	11	00	01		
<hr/>						
		11	01	00	11	
Shift 2-bit		11	11	01	00	11
Add +A	+	00	11	11		
<hr/>						
		00	11	00	00	11
						195