$$M = 7, Q = -3 \rightarrow 1011 \rightarrow 1101$$

$$M = 0111$$

$$V - M$$

$$1000 \rightarrow 1001$$

$$A Q Q_{1} Ad^{2}$$

$$1001 1101 Q X A \rightarrow A - M$$

$$1000 1110 Q X A \rightarrow A - M$$

$$1100 1110 Q ARS, n=2$$

$$1010 1111 Q ARS, n=0$$

$$1101 0111 Q ARS, n=0$$

$$(1101011)_{2} \rightarrow 00010100$$

$$(-21)_{0} \leftarrow 00010101$$

$$-7x-3$$

$$\begin{array}{c}
M = 1111 = 1000 \Rightarrow 1001 \\
-M \Rightarrow 0111 \\
9 = -3 = 1011 = 1101
\end{array}$$

## Restoring Divs

$$9 = 1011$$
,  $M = 00011 = 11101$ 

A B Ad' N
00000 1011 Int' 4
00000 011\_ SL
11110 011\_ A-M
00010 110\_ SL
11111 110\_ A-M
00010 1100  $9_0 = 0$ , Restrict A
00010 1100  $9_0 = 0$ , A+M
00010 100\_ SL
00010 100\_ SL
00010 100\_ A-M
00010 100\_  $9_0 = 0$ , A+M
00010 100\_  $9_0 = 0$ , A+M
00010 100\_  $9_0 = 0$ 

0010 001 SL  
00010 001 A-M  
00010 0011 
$$g_{0}=1$$
  
Rem 2  $g=3$   
2> 13:5  
 $g=1101$ ,  $M=00101$   
 $-M=11011$   
A  $g$  Ad'  
00000 1101 Int'

$$2/7 = 3$$
  
 $9 = 111$   
 $-M = 0011$   
 $-M = 1101$