

Operation	Operand A	Operand B	Result indicating overflow
$A + B$	$\geq 0$	$\geq 0$	$< 0$
$A + B$	$< 0$	$< 0$	$\geq 0$
$A - B$	$\geq 0$	$< 0$	$< 0$
$A - B$	$< 0$	$\geq 0$	$\geq 0$

FIGURE 3.2 Overflow conditions for addition and subtraction.