|  |  |
| --- | --- |
| Overflow Signed | |
| Addition | |
| + A  + B  --------  + No overflow  - overflow | - A  - B  --------  - No overflow  + overflow |
| + A  - B  --------  +/- Always No overflow | - A  + B  --------  +/- Always No overflow |
| Subtraction | |
| + A   * (+ B)   ----------------  + / - No overflow | + A   * (- B)   ----------------  + No overflow  - Overflow |
| - A   * (+ B)   ----------------  - No overflow  + Overflow | - A   * (- B)   ----------------  + /- No overflow |