|  | 51 |  | int32_t $\rightarrow$ signed |  |  |  |  |  |  |  |  | shifted m |  | b |  | bitpos to the left (*) |  |  |  |  | [11] | [10] | [9] | [8] | [7] | [6] | [5] | [4] | [3] | [2] | [1] | [0] | signed, int, int32_t |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | [31] | [30] | [29] | [28] | [27] | [26] | [25] | [24] | [23] | [22] | [21] | [20] | [19] | [18] | [17] | [16] | [15] | [14] | [13] | [12] |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | $\begin{aligned} & \text { INT_MAX (2exp31)-1 } \\ & 214 \overline{7} 483647 \text { 0x7fffffff } \end{aligned}$ |
| $\backsim 31$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 亳 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\stackrel{\text { w }}{ } \quad$ abs $(-1)=1 \mid$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\bigcirc \begin{aligned} & \text { abs (INT M M } \\ & \text { NOT } \\ & \text { DEFINED }\end{aligned}$ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $\begin{aligned} & \text { INT_MIN }-2 \exp 31 \\ & -21474836480 \times 80000000 \end{aligned}$ |



(*) See "test_signed_shift_left_overflow"

