ルビス　ルスファン　アンシャー
Lubis, Luthfan Anshar
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Assignment 7

Operation	A	B	Overflow result S	binvert	A (msb)	B (msb)	S (msb)
A + B	≥ 0	≥ 0	< 0	0	0	0	1
A + B	< 0	< 0	≥ 0	0	1	1	0
A - B	≥ 0	< 0	< 0	1	0	1	1
A - B	< 0	≥ 0	≥ 0	1	1	0	0

Overflow = $(\neg binvert \wedge \neg A \wedge \neg B \wedge S) \vee (\neg binvert \wedge A \wedge B \wedge \neg S) \vee$
$(binvert \wedge \neg A \wedge B \wedge S) \vee (binvert \wedge A \wedge \neg B \wedge \neg S)$