

<b>LB x</b>	<b>UB x</b>	<b>LB y</b>	<b>UB y</b>	<b>Result</b>
Positive	Positive	Positive	Positive	(LBxLBy, UBxUBy)
Positive	Positive	Negative	Positive	(UBxLBy, UBxUBy)
Positive	Positive	Negative	Negative	(UBxLBy, LBxUBy)
Negative	Negative	Negative	Negative	(UBxUBy, LBxLBy)
Negative	Negative	Negative	Positive	(LBxUBy, LBxLBy)
Negative	Negative	Positive	Positive	(LBxUBy, UBxLBy)
Negative	Positive	Positive	Positive	(LBxUBy, UBxUBy)
Negative	Positive	Negative	Negative	(UBxLBy, LBxLBy)
Negative	Positive	Negative	Positive	(min(UBxLBy, LBxUBy), max(LBxLBy, UBxUBy))