Geometric Intersection

BO Algorithm: Implementation

- Sweepline Status

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❖ **The sorted sequence ∠ of active segments**

  is implemented as a ⟨BBST⟩

❖ **Operations:** ⟨∠.insert(e)⟩ / ⟨∠.remove(e)⟩

  inserts/deletes segment e into/from ∠

❖ **Functions:** ⟨e.succ()⟩ / ⟨e.pred()⟩

  returns the immediate adjacent segment ⟨above⟩/⟨below⟩ **e**

sweepline

succ   pred   e

succ   e   pred

succ(f)   f   e   pred(e)