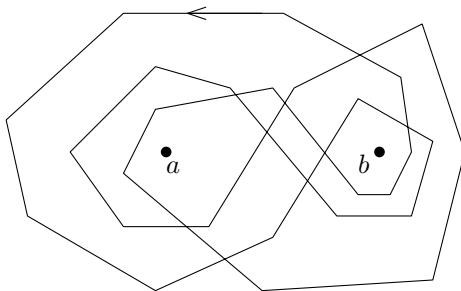


Comprehension questions

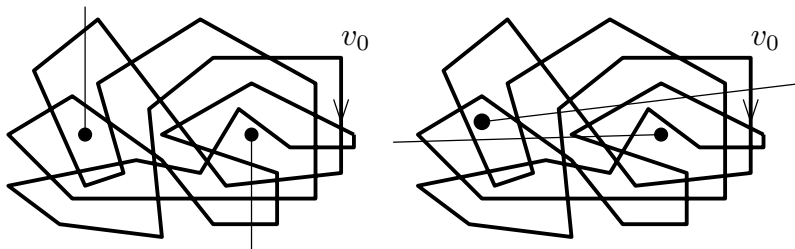
PROBLEM 5.1. *Two of these are the same word, which ones?*

- (i) $[B^{-1}B^{-1}ABAB]$;
- (ii) $[BBAB^{-1}B^{-1}A]$;
- (iii) $[ABA^{-1}BAA]$;
- (iv) $[AABAB^{-1}A^{-1}]$.

PROBLEM 5.2. *Determine the word associated to*



PROBLEM 5.3. *What sequence of letters does one get from the two choices of rays shown below? Check that these represent the same word.*



PROBLEM 5.4. *Draw a polygonal loop with word $[A^3B^3]$.*

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18.900 Geometry and Topology in the Plane
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