Al	gorithms for the reduction of the number of points required to represent a digitized line or its caricature
-	naivo algorthm: only consider every n-th point for fixed n
	Algorithm LINE REDUCTION
	INPUT: List of paints, minimum distance &
	Start andor, end anchor = first and last point
	furthest, distance = point and distance of point furthest away from line defined by anchor
	IF distance < E:
	RETURN [start_anchor, end_anchor]
	ELSE:
	RETURN concat (LINEREDUCTION (points [furthest], E], LINEREDUCTION (points [furthest:], E))
	ENDIF  ( per pen dicular distance if skrt point 7 endpoint  distance measure:  ( maximum distance to point it sket point = end point
	maximum distance to point if start point = and point
-	ALGORITHM Methoda
	INPUT: list of points, E
	anchor, fp < points[0], points[1]
	result = [anchor]
	Dø:
	furthest, distance ← find furthest point to line defined by anchor and fp
	IF distance < E:
	result. append (fp)
	IF fp = point [-1]: BREAK
	ELSE: anchor = fp, fp = points [-1]
	ELSE:
	tp = furthest
	ENDIF
	ENDHO
	RETURN result

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- ALGORITHM Method2
    INPUT: list of points, &
    anchor, fp - points[], stack ([points[-1]])
    result < [anchor]
      furthest, distance - find furthest point to line defined by anchor and fp
      IF distance < ε:
         current_fp < fp. pup())
         result append (current-fp)
         IF fp. empty: BREAK
         ELSE: anchor - current-fp
       ELSE: fp. stack (furthest)
    ENDDO
    rehrn result
- ALGORITHM Lang
    INPUT: list of points, &
    anchor, fp, result < points [0], points [2], []
         2 < i < (en (points)
      FUR p between andor and fp:
        IF p in tolerance distance of segment defined by anchor and fp
          fp = points[i]
        ELSE:
          result. append (anchor)
          anchor < points [index(fp)-1] Alternative: move anchor to furthest point from segment
          BREAK
        ENPIF
     ENDFOR
   ENDFOR
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- ALGORITHM Modified-Lang
    INPUT: list of points, E
     anchor, fp, result - points [0], points [2], []
     distances = []
    FOR 1 \leq i < len (points):
       distance - distance between points [i] and segment defined by anchor and fp
       distances. oppord (distance)
       IF sum(distances) < E:
            fp < points [i+2]
       ELSE:
         furthest, distance, index - find furthest point to line defined by anchor and fp
         IF distance = 2:
             distances = distances [indax - index (anchor):]
            anchor - furthest
          EMDIF
       ENDIF
     EMPFOR
    RETURN result
```

