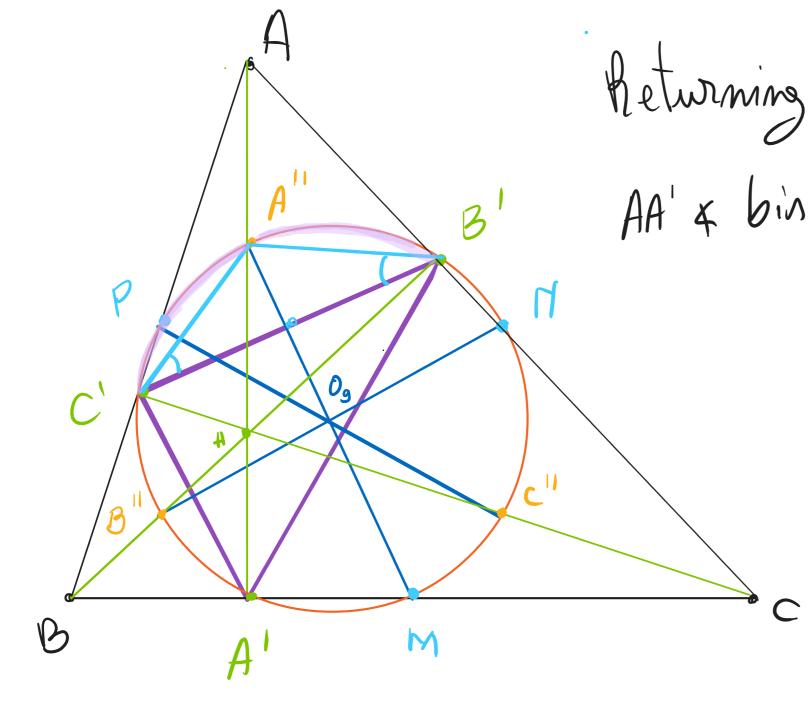
ABC, Horthocenter, A"B", C" mid pts of AH, BH, CH resp Euler circle (passes trough: -> A"M,B"N, C"P diameters
(E) M, M, P midpts of BC, AC, AB resp A', B', C' feet of the altitudes from A, B, C rup) Orthic triangle & A'B'C' We rued to prove that A"M BN, C"P are the perpendicular bisectors of a A'B'C' B M

Construet the circle w of diameter AB = center P => \forall point $\times \in \omega$, $A\times B = 90^{\circ}$ AA', BB' heights of $\triangle ABC => AA'B = 90^{\circ}$ $AB'B = 90^{\circ}$ ABB' = AA'B (they coresp. to the some arc AB'd) w)

Similarly, with a circle of diameter AC, we obtain CAA = CCA

in $\triangle BC'H$ and CB'H: C'HB = B'HC (opposite orgles) => C'BH = HCB' $AC'B = HB'C = 90^{\circ}$ ABB' C'CH=> C'A'A=AA'B' => Im AA'B'C' AA' & binector of C'A'B'

Similarly, BB' & bin of A'B'c' and CC' & bin of B'c'A'



heturning to the original figure: AA' & bin of c'A'3' => the arcs of & that corresp to C'A'A and BA'A are Egnal C'A'A'' = C'A'' = C'

DA"C'B' in Morcelus => A" & perpendicular bisector of C'B' } = A', B', C' & E => E in the circumchaele of sA'B'C' => } => Og (the center of E) in the (1 of A'B'C') & perp. bin

=> the diameter A"M of E in the perpendicular bin. of c'B'

Similarly: 18'N perp. bis. of A'C'
C'p perp. bis. of A'B'