PROBLEM 7.4] FOR THE TWO COOPLER LINIZ POSITION INDICATED BY LINES ALBA AND AZBZ, LOCATE THE POLE POINT. USING POINTS C AND D AS MOVING HINGE PINS, DESIGN A FOUR BAR MECHANISM THAT WILL MODE LINE AB INTO ITS TWO DESIGNATED POSITIONS.

GIVEN:

1) To POSITIONS OF THE COOPLER LINIZ 48.

2) ORDENTATION OF POINTS C AND D WITH RESPECT TO A AWO B.

3) DESIDE FOR COCPLER MOTION.

ASSCMPTIONS:

1. ALL LINKS ARE RIGID

2. ALL JOINTS ARE PRECTIONLESS
3. INERTER APPEZES ARE JOHNNER

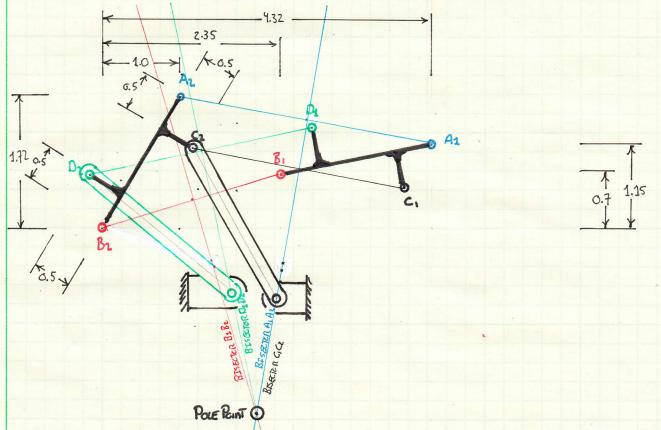
4. ALL LINIC MOVE IN A SINGLE OF PARALER DIDNES.

5. POINTS A, B, C, & D ARE ALL ON THE SAME CINIC.

FIND:

1. LOCATE POLE POINTS FOR THE COODIED LINK ABGIVEN POSSITION ALBA D ALBA.

2.) USING POINTS CID AS MOTHEN HINGE PINS, DESIGN A 4 BAR THAT WILL MOTE AB D THEIR DESIGNATED POSTICES.



SOMMANY: NOTE THAT A PERPENDICULAR BISECTORS OF POINTS ON THE COOPLER INTERSECT AT A SINGLE POLE POINT. IF THE POLE POINT WERE USED AS THE FIXED PINCT, THE SYNTHESIS WOULD HAVE RESCLIED IN POCKER OCTPOT.