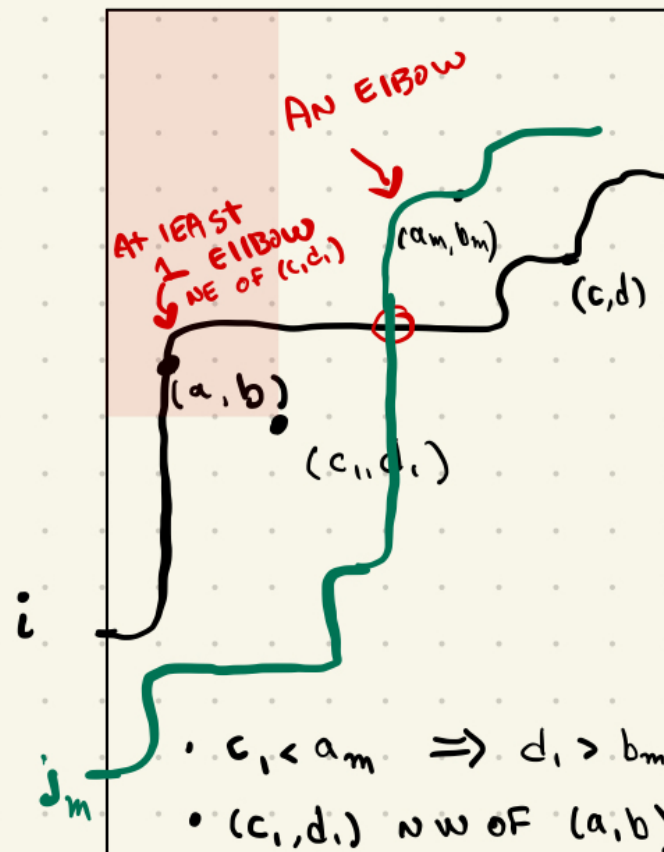


- $d_1 < b_m \Rightarrow c_1 > a_m$
- $(c_1, d_1)$  NW OF  $(a, b)$
- $i$  MUST GO TO RED AREA to  $(c, d)$  NW OF  $(a_m, b_m)$
- $j_1$  MUST AVOID RED AREA & GO TO  $(c_1, d_1)$



- $c_1 < a_m \Rightarrow d_1 > b_m$
- $(c_1, d_1)$  NW OF  $(a, b)$
- SO  $i$  MUST HAVE ELBOW BEFORE COL  $c_1$  END THEN GO TO  $(c, d)$  SW OF  $(a_m, b_m)$
- $j_m$  MUST AVOID RED AREA IF CROSS  $i$  AND MUST HAVE ELBOW IN A ROW  $< d$