The busics of a sweepline alg INVARIANTS: (eq. Line segment intersection) · P begins "below"/to right of all lines in & Po Two Pieces: · P ends "above" / to left of Pi SI: What are all of all lines in L 1 Events the intersection points? DS. usurlly a priority queue Events are: O(logic) thext /pop · start vertex } a priori known · end vertex (logi) add now event, when CLAIM Example there are i events 2) Sweepline Status there does! intersections ? asses formard on the try If I vertex v & X(2) to ignit of P, -> what the sweepline story then I a rightword-found A in DS: usually ordered dichonary (2) Stores line segment in order [YX(sV(1Y) along a (bot to top) (i) items stone. UHT and p [Y4, Y3, X2] (logi) south (update

