

A diagram showing a hexagonal lattice of green dots. A black rectangle is drawn over the lattice. The bottom-left corner of the rectangle is labeled  $(0,0)$  and the top-left corner is labeled  $(0, y_{2\max})$ . The bottom-right corner is labeled  $(0,1)$ . A horizontal double-headed arrow labeled  $a_1$  is shown between the bottom corners, and a vertical double-headed arrow labeled  $a_2$  is shown between the bottom and top corners. To the left of the rectangle, a vertical double-headed arrow labeled  $r_2$  indicates the height of the rectangle. Below the rectangle, a horizontal double-headed arrow labeled  $r_1$  indicates the width of the rectangle. A black dot is located at the bottom-left corner of the rectangle, labeled  $(s_1, s_2)$ .

 $r_2$  $(0, y_{2\max})$  $(0,0)$  $a_1$  $(0,1)$  $a_2$  $(s_1, s_2)$  $r_1$