



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 between the bottom corners is labeled  $a_1$ . A vertical double-headed arrow between the bottom corners is labeled  $a_2$ . A point  $(s_1, s_2)$  is marked with a black dot at the bottom-left of the lattice, outside the rectangle. A vertical double-headed arrow on the left side of the rectangle is labeled  $r_2$ . A horizontal double-headed arrow at the bottom of the lattice is labeled  $r_1$ .

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