



The diagram shows a hexagonal lattice of green dots. A black rectangle is drawn over a portion of 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 , and a vertical double-headed arrow between the bottom corners is labeled a_2 . To the left of the rectangle, a vertical double-headed arrow is labeled r_2 . At the bottom left, outside the rectangle, is a black dot labeled (s_1, s_2) . A horizontal double-headed arrow below the rectangle is labeled r_1 .

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