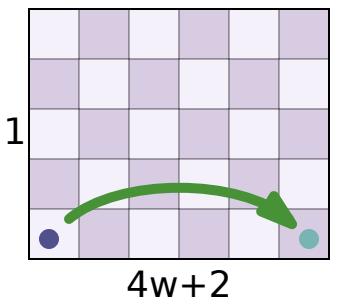
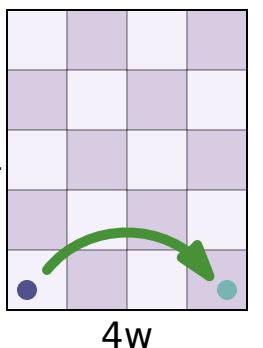
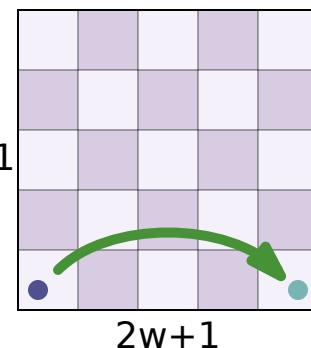


odd/even



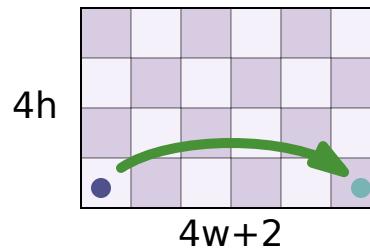
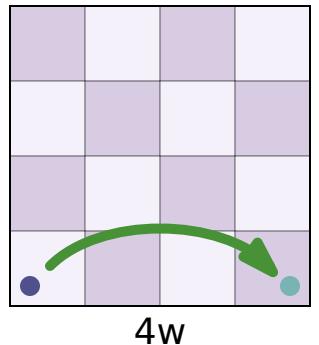
The diagram shows a 2D grid of squares. The grid is divided into several regions by thick black lines. There are two main horizontal bands of light purple squares. Between these bands, there are vertical columns of squares. Some of these vertical columns are shaded dark purple, while others are white. Colored dots (blue, green, red) are placed at specific grid points. A green curved arrow starts at a blue dot in the top-left, goes right, then down, then right again to end at a red dot. Another green curved arrow starts at a green dot in the middle-left, goes right, then down, then right again to end at a red dot. A third green curved arrow starts at a red dot in the bottom-right, goes left, then up, then left again to end at a green dot.

odd/odd

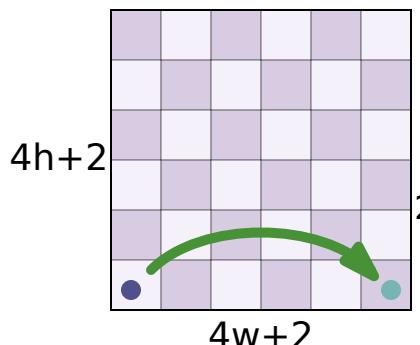
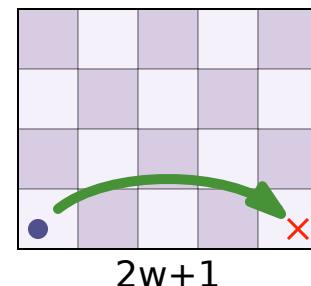


A diagram illustrating a search or movement pattern on a 2D grid. The grid is divided into light purple and white squares. A green arrow starts at a blue dot located at the intersection of the $h/2$ -th row and $w/2$ -th column. It moves right to a green dot at the intersection of the $w/2$ -th row and $h/2$ -th column. Along the way, it passes through a white square containing a blue dot and a light purple square containing a green dot.

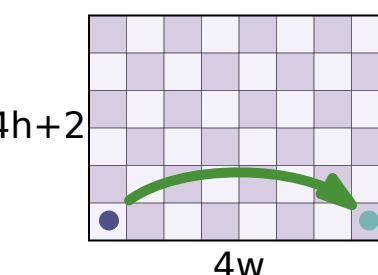
even/even



even/odd



The diagram shows a square grid divided into four quadrants by a central vertical and horizontal line. The top-right quadrant has light purple cells. The other three quadrants have white cells. Four blue dots are at the corners of the central square. Four green arrows originate from these dots and point to four teal dots located on the outer boundary of the grid. The top-left arrow points diagonally up and right. The bottom-left arrow points diagonally down and right. The top-right arrow points diagonally up and left. The bottom-right arrow points diagonally down and left. The grid has labels: '2h' at the top-left corner, 'h+2' on the left edge, '2w+1' at the bottom edge, and '2w+1' on the right edge.



The diagram shows a 2D grid with horizontal and vertical axes. The vertical axis is labeled with values $2h$, $2h+2$, and $2\lfloor w/2 \rfloor$ at the bottom, and $2\lfloor w/2 \rfloor + 1$ at the top. The horizontal axis is labeled with $2\lfloor w/2 \rfloor$ and $2\lfloor w/2 \rfloor + 1$. The grid is divided into several regions by thick black lines. Some regions are shaded purple, while others are white. Four blue dots are placed at the intersections of the second column from the left and the rows $2h$, $2h+2$, and $2\lfloor w/2 \rfloor$. A red 'X' is placed at the intersection of the third column and the row $2h$. Green arrows indicate transitions between the dots: one arrow points from the dot at $(2h, 2)$ up to the dot at $(2h+2, 2)$; another arrow points from the dot at $(2h+2, 2)$ down to the dot at $(2\lfloor w/2 \rfloor, 2)$; a third arrow points from the dot at $(2\lfloor w/2 \rfloor, 2)$ down to the dot at $(2\lfloor w/2 \rfloor + 1, 2)$; and a fourth arrow points from the dot at $(2\lfloor w/2 \rfloor + 1, 2)$ back up to the dot at $(2h, 2)$.