Time: t_n

$v_1 = \begin{pmatrix} 0 \\ 1.3 \end{pmatrix} m/s$

$v_3 = \begin{pmatrix} 0 \\ 1 \end{pmatrix} m/s$

Obstacle

$1\,m$

$v_2 = \begin{pmatrix} 0 \\ 0.5 \end{pmatrix} m/s$

$cell_{i,j}$

Source
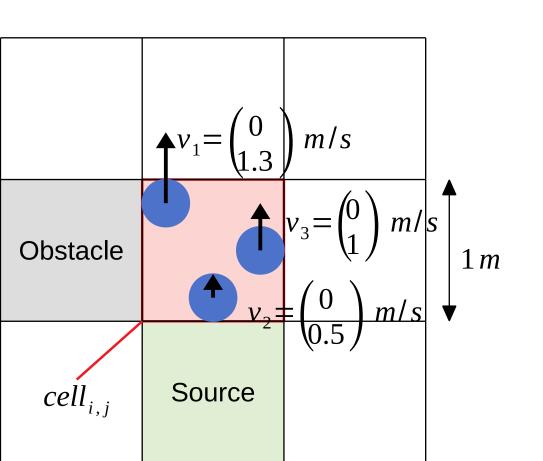
Aggregation function:
$f\left(cell_{i,j}, neighborhood_{i,j}\right)$

Time: t_{n+1}

$v_1 = \begin{pmatrix} 0 \\ 1.3 \end{pmatrix} m/s$

$v_3 = \begin{pmatrix} 0 \\ 1 \end{pmatrix} m/s$

$v_2 = \begin{pmatrix} 0 \\ 0.5 \end{pmatrix} m/s$

Obstacle

$cell_{i,j}$

Source