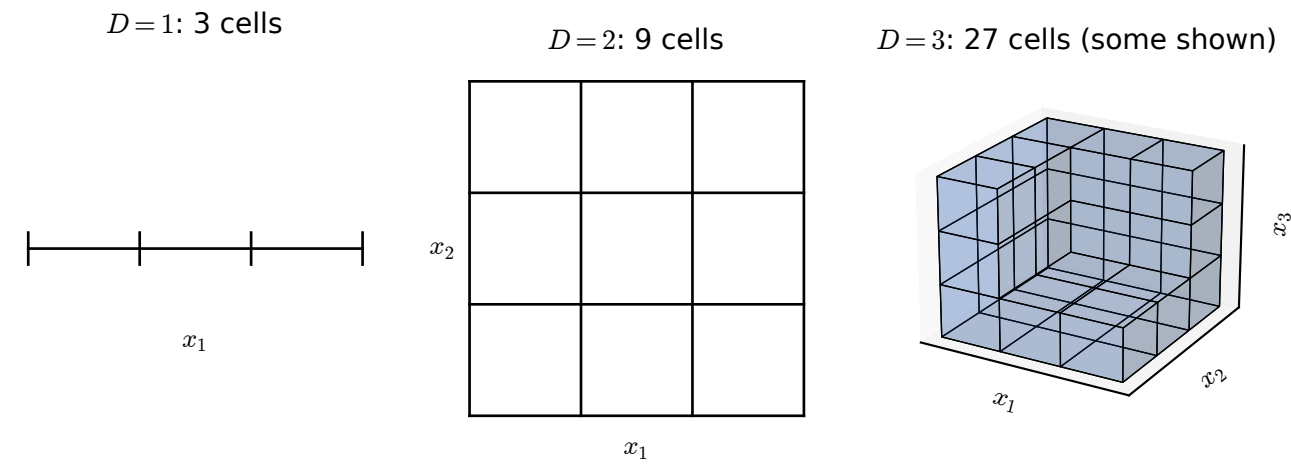

$D = 1$: 3 cells
$x_1$
$D = 2$: 9 cells
$x_2$
$x_1$
$D = 3$: 27 cells (some shown)
$x_3$
$x_2$
$x_1$