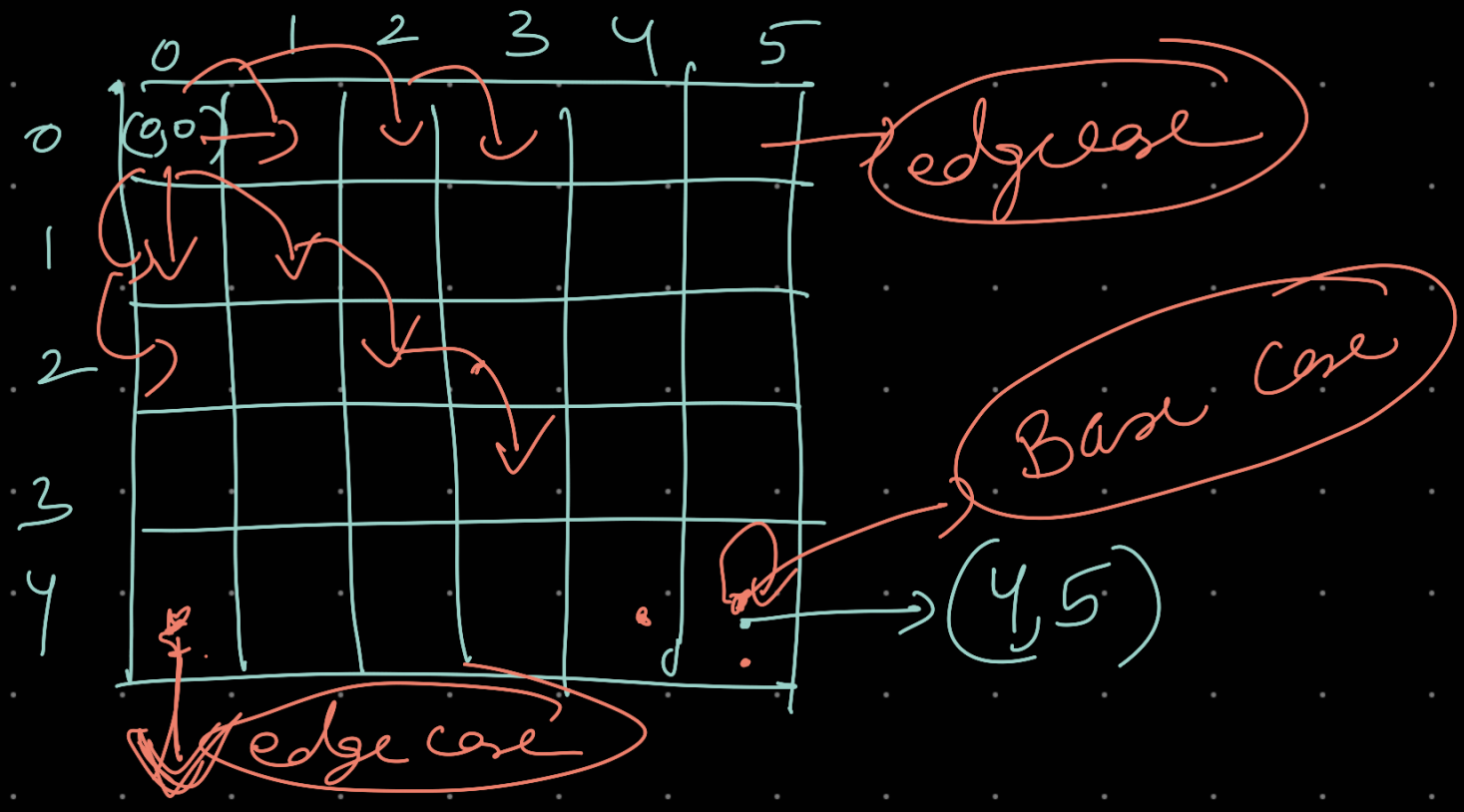
m x n

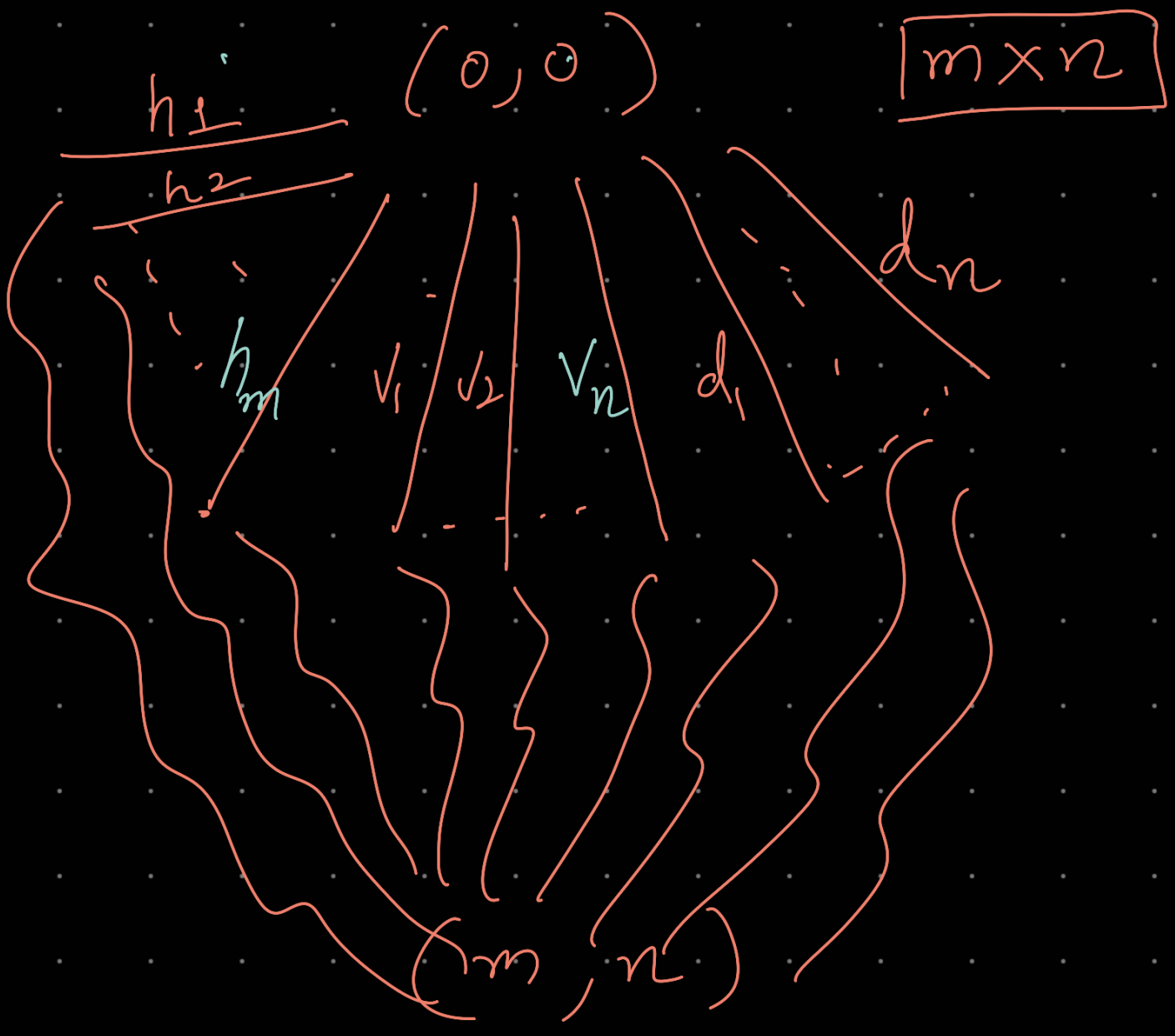


Allowed Movements

↳ Horizontal → 1 to max row size

↳ Vertical → 1 to max col. size

↳ Diagonal → (1,1) to (max row, max col)



$$(0,0) \longrightarrow \begin{cases} \text{Loop}(h_1, h_2 \ldots h_m) + \text{"h"} \\ + \\ \text{Loop}(v_1, v_2 \ldots v_n) + \text{"v"} \\ + \\ \text{Loop}(d_1, d_2 \ldots d_n) + \text{"d"} \end{cases}$$

$$\downarrow$$

$$(m,n)$$