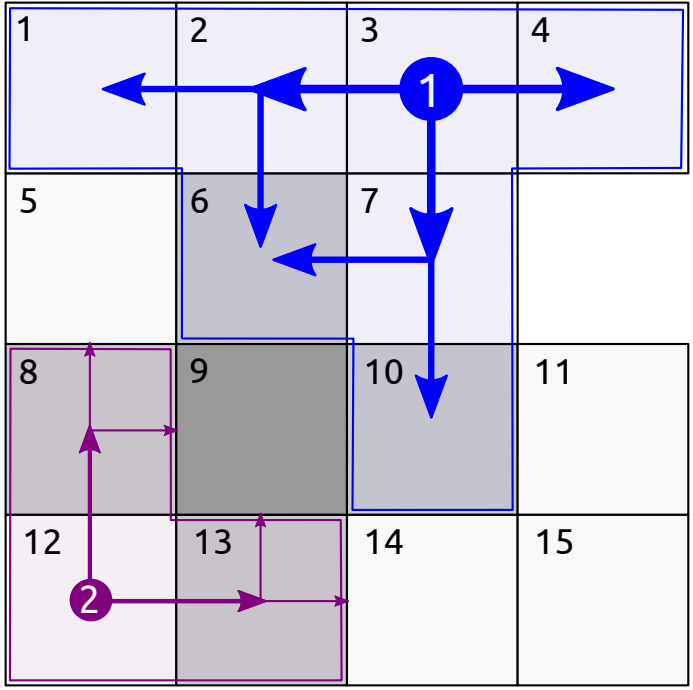

region V_n (where $n \in \{1 \dots N\}$)
with demand density $D(V_n)$

hospital P_m (where $m \in \{1 \dots M\}$)
with supply size $S(P_m)$

iteration $k \in \{\mathbb{Z}; \nu(G_{M,k}) \neq \varnothing\}$:

growth $A_{m,k} \sim \frac{\sum S(P_{m,k})}{\sum D(V_{m,k})}$

Area m after iteration k is $G_{m,k}$
Example when $m = 1$ and $k = 2$:
$G_{1,2} = \{V_1, V_2, V_3, V_4, V_6, V_7, V_{10}\}$

Neighbours after iteration $k = 2$:
$\nu(G_{m=1,k=2}) = \{V_5, V_9, V_{11}, V_{14}\}$
$\nu(G_{m=2,k=2}) = \{V_5, V_9, V_{14}\}$