INPUT: Parameter values

CALCULATE: Nullcline intersection

INPUT: Size of stimulus

INPUT: Connection probability \( (p) \)

CREATE: Connectivity matrix with probability \( p \). Strengths drawn from a uniform distribution from 5 to 10.

SOLVE: Coupled FitzHugh-Nagumo equations (closed boundary)

What proportion of cells are excited?

If 100 repeats

OUTPUT: Proportion of cells excited (100 repetitions)

If fewer than 100 repeats

Increment size of stimulus

Increment connection probability