

## Server side

Step I: Assignment sensitivity analysis

Critical region

Step II: GO function generation

Output

Reported location

GO function

### GO function example

Input

(real location)

Output

(obfuscated location distribution)

$V_1$   $V_2$   $V_3$   $V_4$

$V_1$

0.2 0.5 0.2 0.1

$V_2$

0.1 0.4 0.3 0.2

$V_3$

0.1 0.2 0.6 0.1

$V_4$

0.0 0.1 0.2 0.7

4x4 matrix

download

download

report

report

available

occupied

available

## Worker side