

9/  
30

R<sub>s</sub>

シルアリの before - after Z-sim.

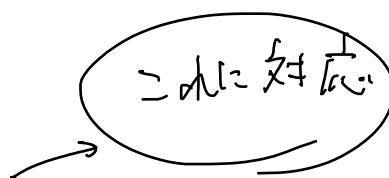
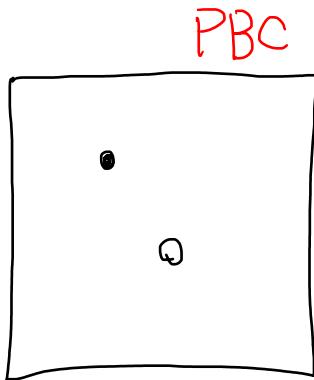
## ① Random Search condition

異性密度が  $20/m^2$  の上を走らせる。

十分出会うことを Z-Sim (Kusaka and  
Matsuura 2017)

$$\frac{20}{1000 \times 1000 \text{ mm}^2} = \frac{1}{50 \times 1000 \text{ mm}^2}$$

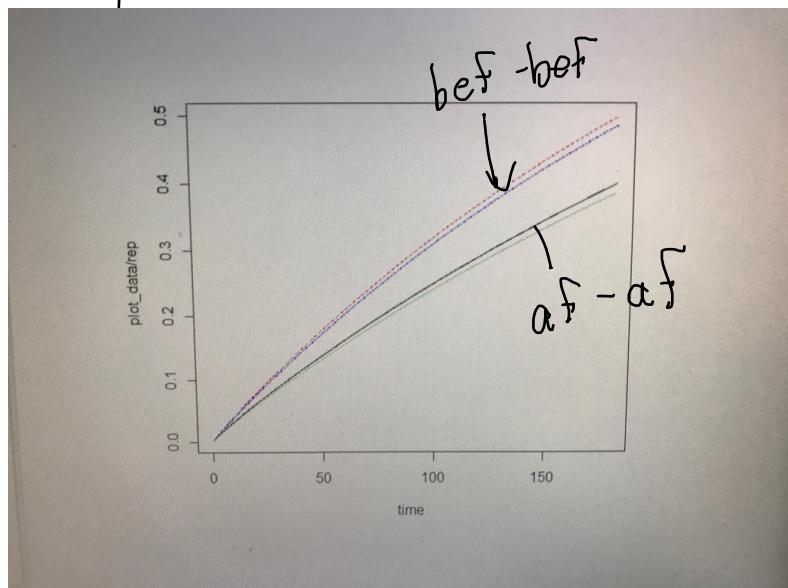
$$\sqrt{50 \times 1000} = 100\sqrt{5}$$



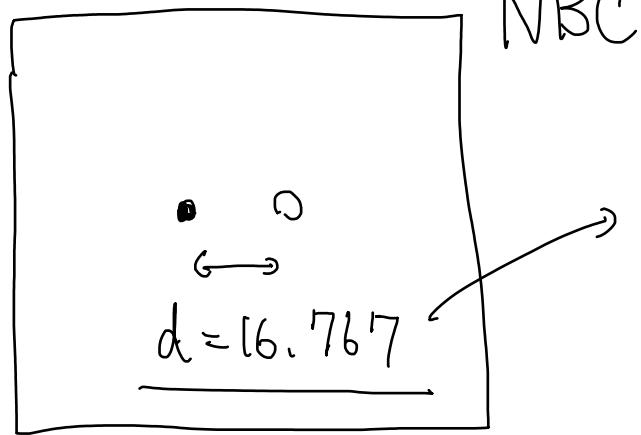
$$L = 50\sqrt{5}$$

( $5\text{mm} = 80/m^2$  の場合)

この条件で Z-Sim.

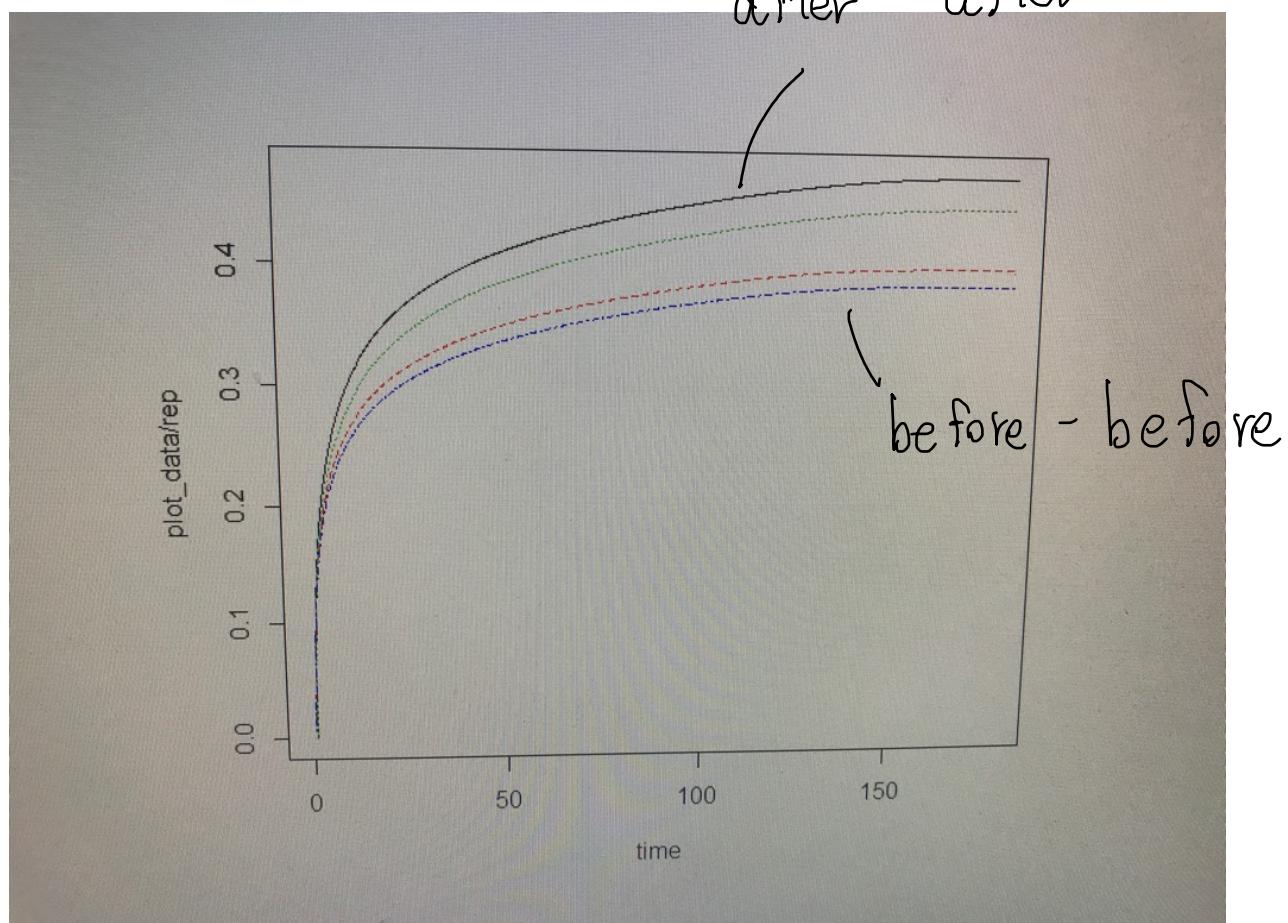


②



NBC

Sep の 間 の PE の  
mode.



after - after

before - before