



A (d_{\max})

F

B ♂
♀

A: death
B: sex (if *)
C: recombination
D: mutation

E: phenotype
F: birth

* $d^{\text{♂♀}} < d_{\max}$ & $q^{\text{♂♀}} > q_{\min}$

(d = physical distance;
q = genetic similarity)

1	-1	-1	-1	1	1	-1	1	1	-1
-1	1	-1	-1	-1	1	1	-1	1	-1



1	-1	-1	-1	1	1	-1	-1	1	-1
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or

-1	1	-1	-1	-1	1	1	1	1	-1
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1	-1	1	-1	-1	1	-1	-1	1	-1
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$$z_i = g + N(\mu, \sigma^2)$$

C

D

E

genotype

phenotype