Generation *n*

$Z_{opt_k} + \omega_k^2$

growth rates

$+$

seed migration matrix

	1	2	3	4
1	0.997	0.001	0.001	0.001
2	0.001	0.997	0.001	0.001
3	0.001	0.001	0.997	0.001
4	0.001	0.001	0.001	0.997

Individuals fitness

$+$

Populations future sizes

$+$

pollen migration matrix

	1	2	3	4
1	0.97	0.01	0.01	0.01
2	0.01	0.97	0.01	0.01
3	0.01	0.01	0.97	0.01
4	0.01	0.01	0.01	0.97

Generation *n + 1*

Mates choice

$|Z_i - Z_j| \leq \delta$

Mutations

Zygote

$|Z_i - Z_j| > \delta$