



Biology Essentials - 001

Natural Selection

Environment

Evolution

Gene Pool

Hardy-Weinberg
Equilibrium

Fitness

Natural Selection

- Large size
- Random mating
- No mutations
- No migration
- No selection

Adaptations

Before selection



After selection



Final population



Resistance level



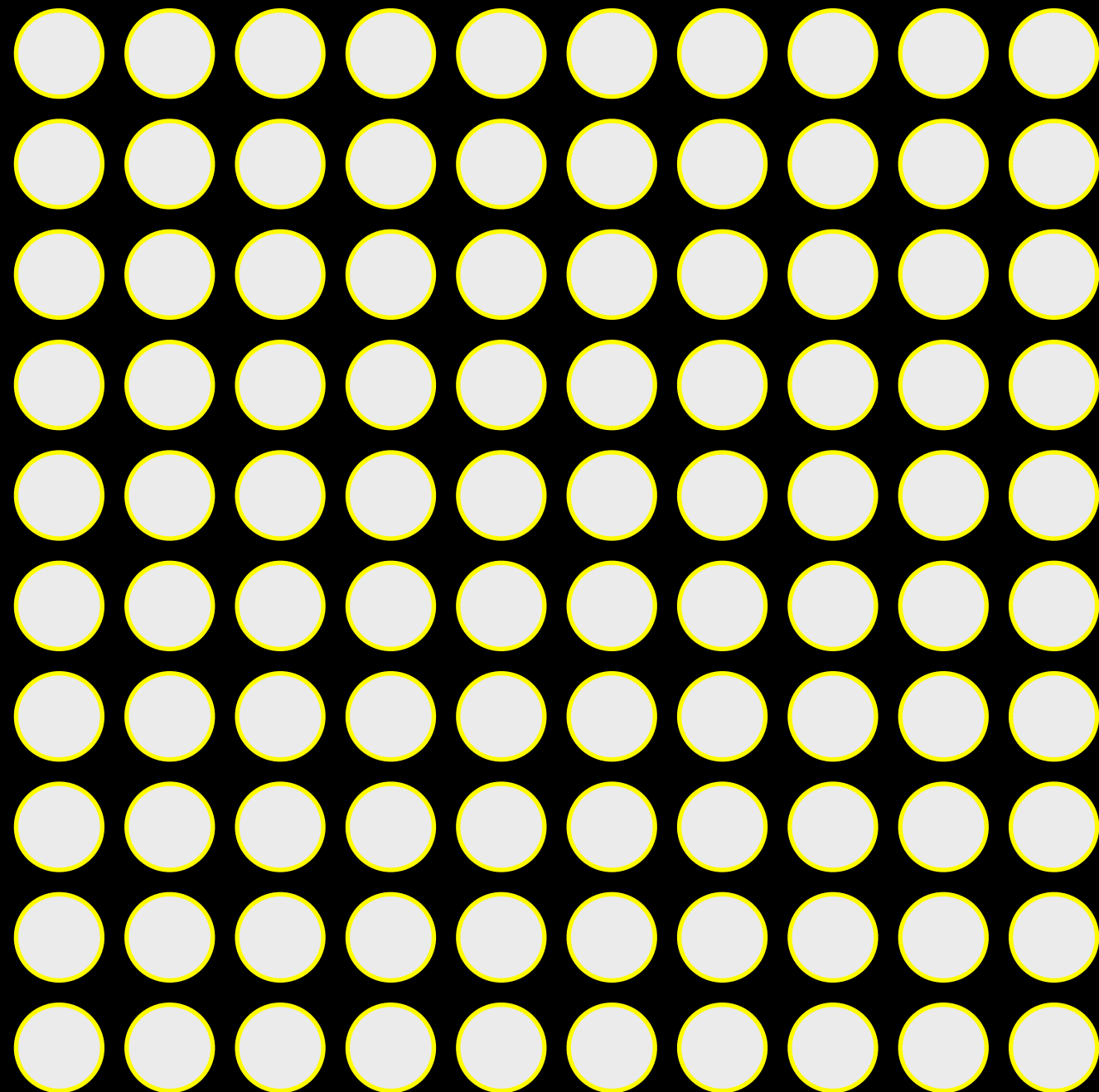
Low

High



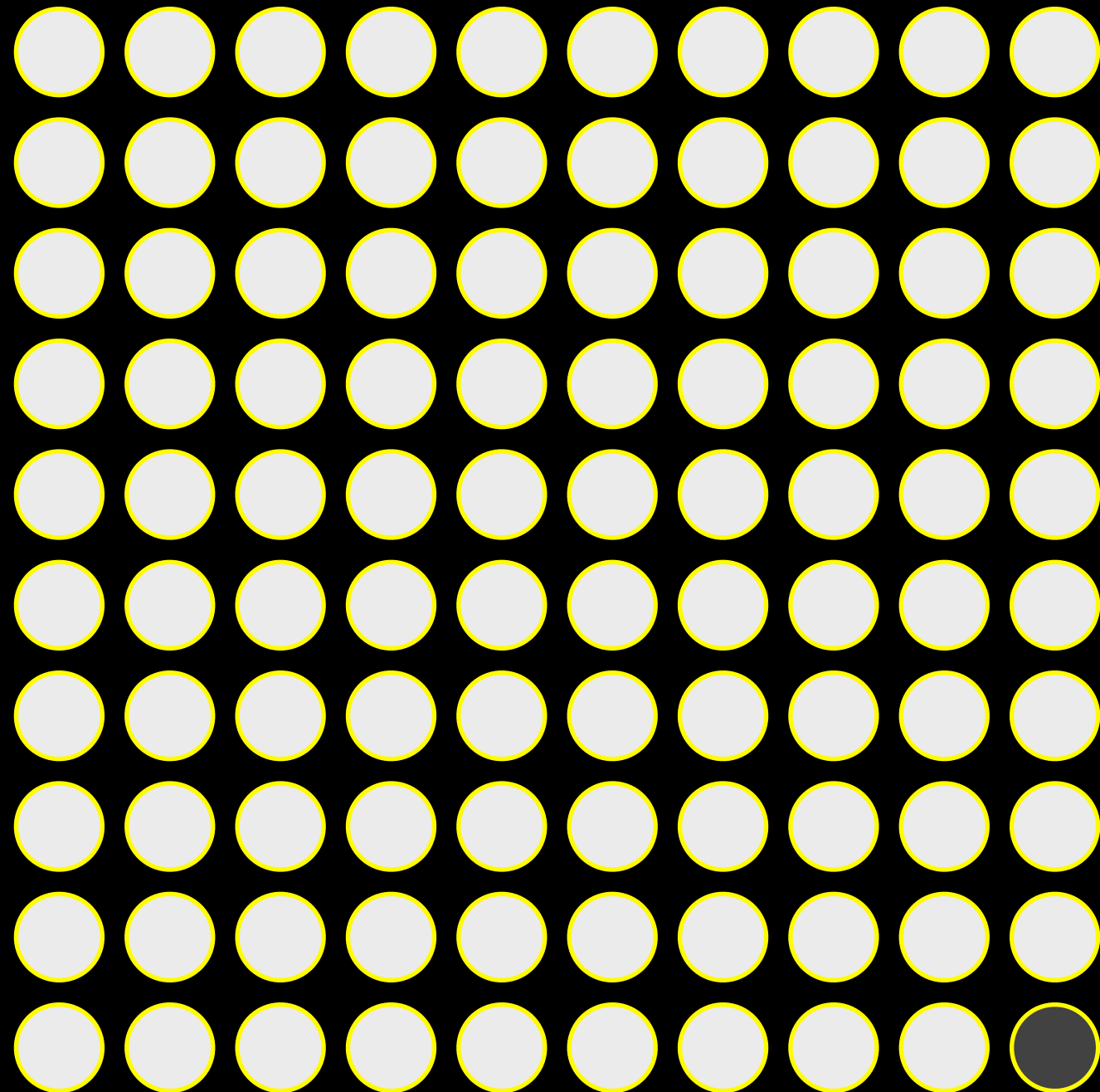
Differential Reproductive Success

Hardy-Weinberg Equilibrium



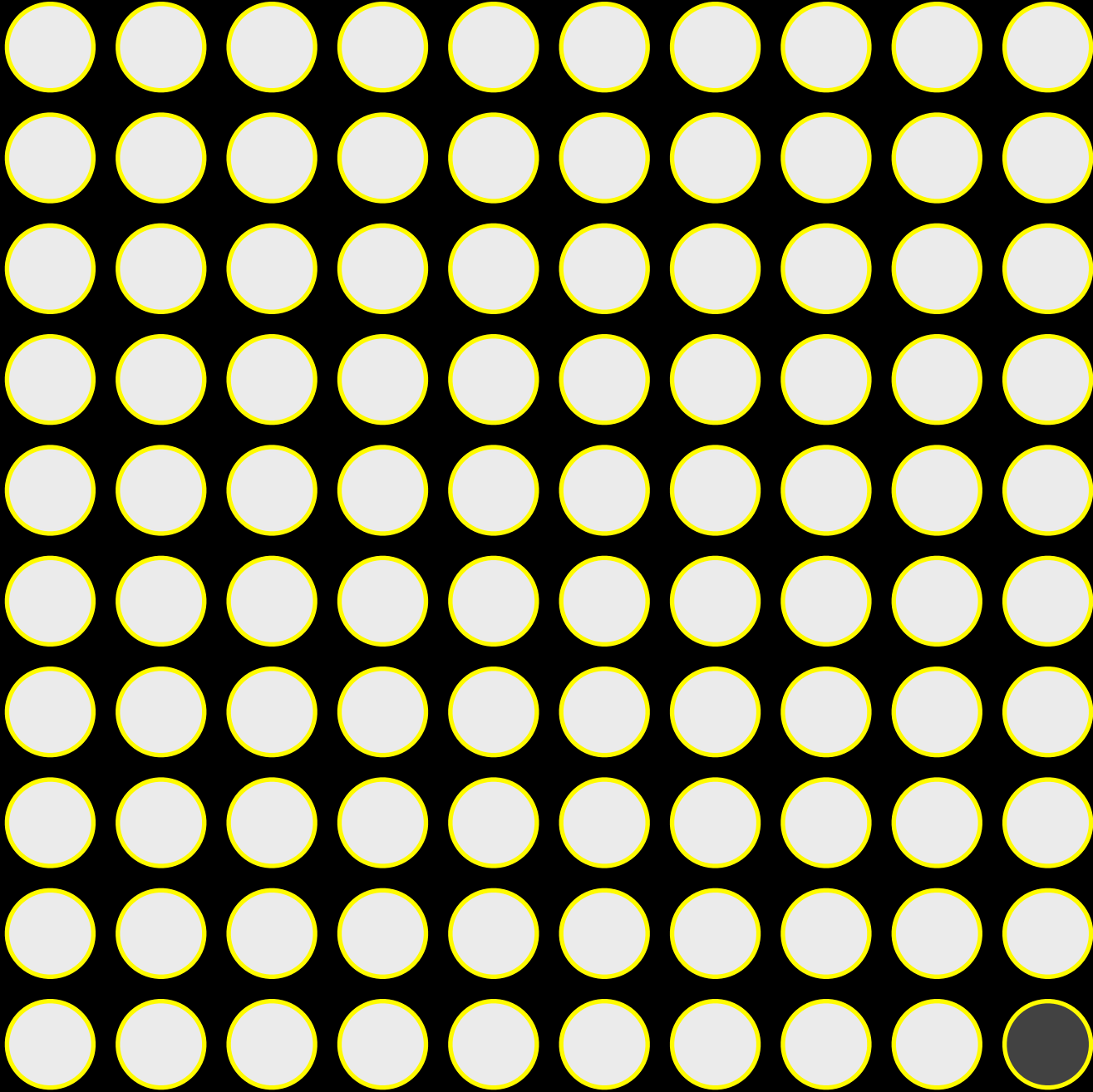
1848	98%	2%
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Hardy-Weinberg Equilibrium



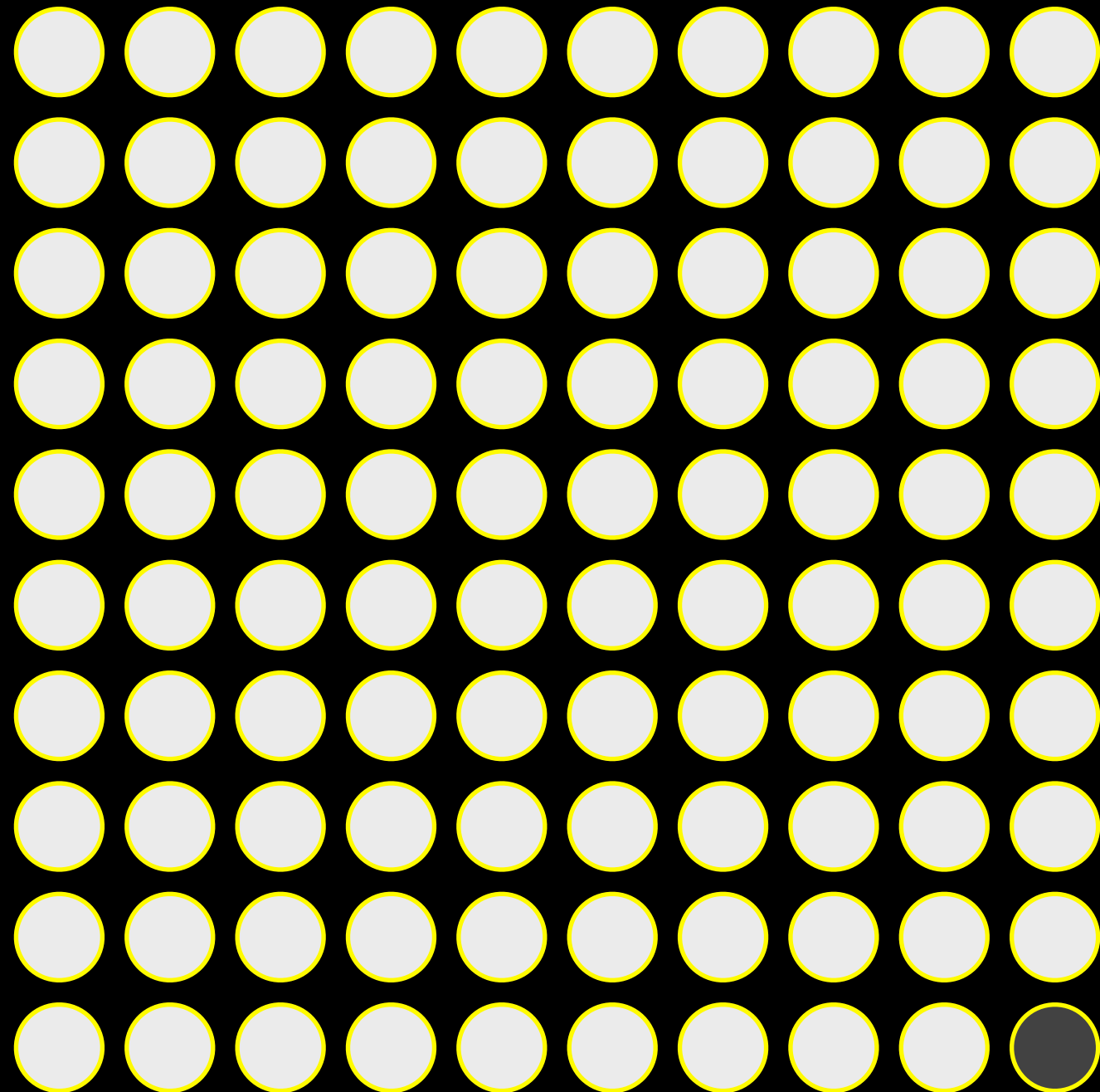
1848	98%	2%
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Five Equilibrium Conditions



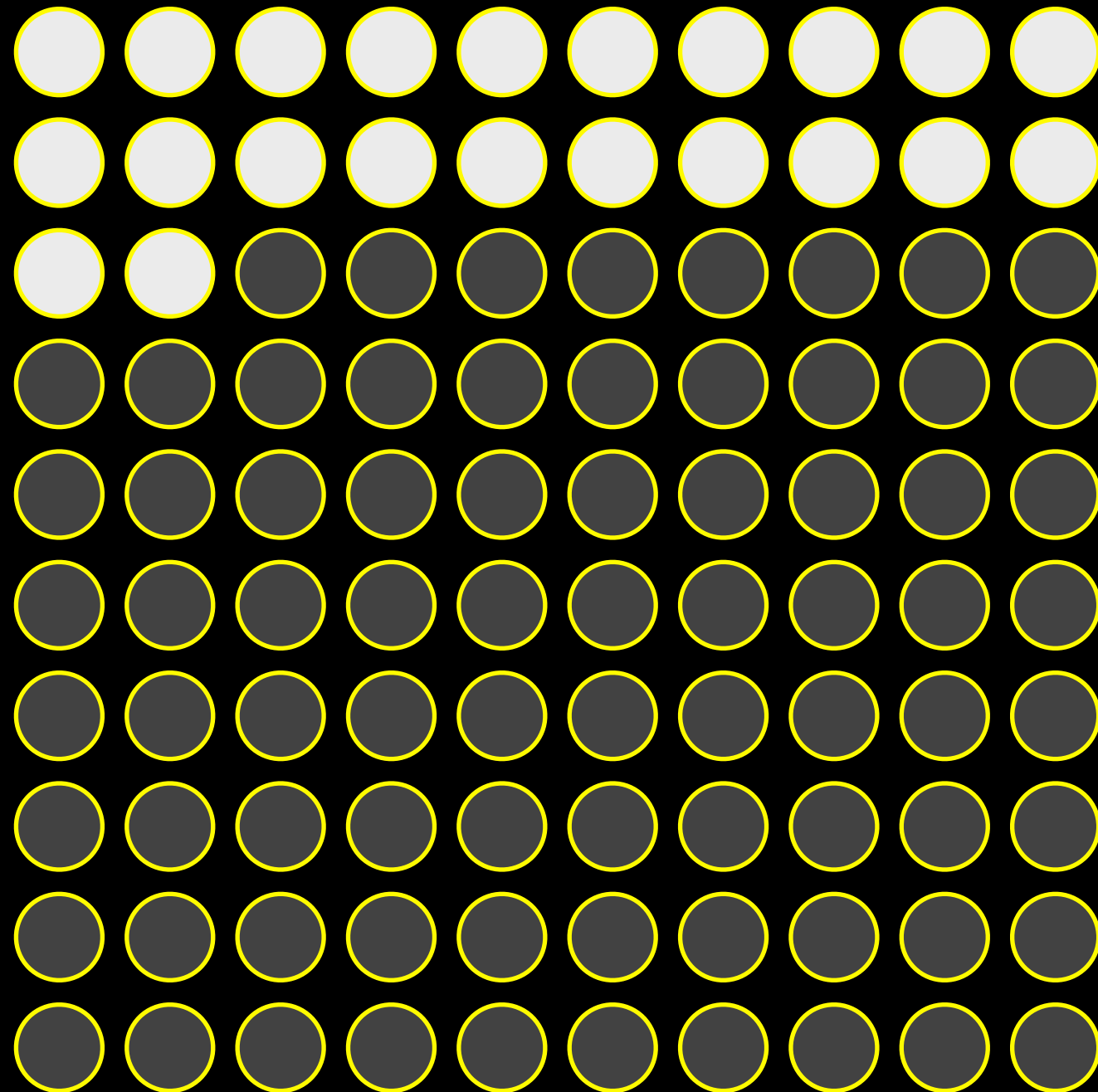
1848	98%	2%
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Hardy-Weinberg Equilibrium



1848	98%	2%
1895	5%	95%

Hardy-Weinberg Equilibrium



1848	98%	2%
1895	5%	95%

Adaptation



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