



Tryon 1940

Parental generation: $\mu = \text{mean} = 10.8$ trials before running maze without errors

Truncation selection: $\mu_s = \text{mean of } 5.8$ for those selected as "maze bright"

Offspring generation: $\mu' = \text{mean of } 8.8$ for the offspring of the selected adults

$S = \mu - \mu_s = 10.8 - 5.8 = 5$ (strength of selection)

$R = \mu - \mu' = 10.8 - 8.8 = 2$ (response to selection)

$h^2 = R/S = 2/5 = 0.4$ (40% of variance in maze running ability is genetically controlled)