Tryon 1940

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

Truncation selection: \( \mu_s = \text{mean of 5.8 for those selected as “maze bright”} \)

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

\[ S = \mu - \mu_s = 10.8 - 5.8 = 5 \text{ (strength of selection)} \]

\[ R = \mu - \mu' = 10.8 - 8.8 = 2 \text{ (response to selection)} \]

\[ h^2 = R/S = 2/5 = 0.4 \text{ (40% of variance in maze running ability is genetically controlled)} \]