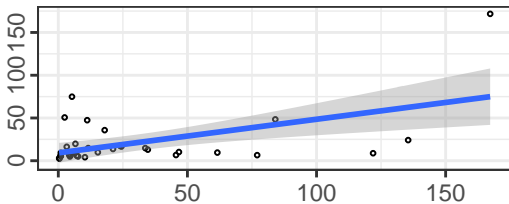
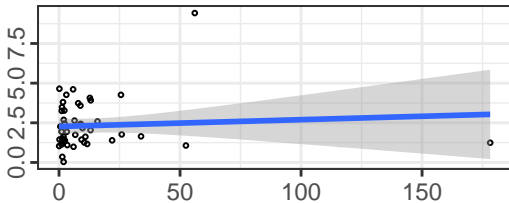


long

Time cost (in minutes)



medium



Number of test cases ( $\times 10^2$ )