```
(*PESSIMISTIC *)
In[33]:= ListPlot[{quickComp, selectComp}, AxesLabel → "Comparisons",
        PlotLegends → {"QuickSort", "QuickSelectSort"}]
      ListPlot[{quickMoves , selectMoves}, AxesLabel → "Moves",
        PlotLegends → {"QuickSort", "QuickSelectSort"}]
      ListPlot[{quickTime, selectTime}, AxesLabel → "Time",
        PlotLegends → {"QuickSort", "QuickSelectSort"}]
      f[x_] := Log[x];
      With[\{x := 100 \text{ xp}\}, tab = Table[\{x, f[x]\}, \{xp, 1, 100\}]];
      g[x_{-}] := x;
      With[\{x := 100 \text{ xp}\}, tab2 = Table[\{x, g[x]\}, \{xp, 1, 100\}]];
      ListPlot[{quickCompToSize /GroupBy[tab2, First → Last, Mean]},
        PlotLegends → {"Constant near n^2 in QuickSort"}]
      ListPlot[{selectCompToSize / GroupBy[tab, First → Last, Mean]},
        PlotLegends \rightarrow {"Constant near n*lg(n) in QuickSelectSort"}]
       Comparisons
      5 × 10<sup>7</sup>
      4 \times 10^{7}
                                                                            QuickSort
      3 \times 10^{-3}
Out[33]=
                                                                            QuickSelectSort
      2 \times 10^{7}
      1 \times 10^{7}
                     2000
                                4000
                                            6000
                                                       8000
                                                                  10 000
         Moves
      1 × 10<sup>8</sup>
      8 \times 10^{7}

    QuickSort

      6 \times 10^{7}
Out[34]=
                                                                            QuickSelectSort
      4 \times 10^{7}
      2 \times 10^{7}
                     2000
                                4000
                                            6000
                                                       8000
                                                                  10 000
```

