```
mplot[file_, step_, dim_] :=
 (raw = Import[StringJoin[{NotebookDirectory[], ToString[file], ".dat"}], "Table"];
  t = Table[{}, {s, Length[raw]}];
  Table[
   For[l = 1, l < Length[raw[[s]]], ,
    t[[s]] = Append[t[[s]], {raw[[s, l++]], raw[[s, l++]], raw[[s, l++]], raw[[s, l++]]}]]
   , {s, Length[raw]}];
  newt = Table[If[(i - 1) * 16 + j ≤ Length[t[[step]]],
     RGBColor @@ (Table[t[[step, (i - 1) * 16 + j, c]], {c, 3}] / 256), White], {i, 16}, {j, 16}];
  count = Table[If[(i - 1) * 16 + j ≤ Length[t[[step]]], t[[step, (i - 1) * 16 + j, 4]], 0.1],
    {i, 16}, {j, 16}];
  Switch[dim,
   2, MatrixPlot[newt, ImageSize → 600],
   3, Graphics3D[Table[{newt[[i, j]], Lighting → {{"Ambient", None}},
      Cuboid[{i, j, 0}, {i - 1, j - 1, Log[count[[i, j]]]}]}, {i, 16}, {j, 16}],
    PlotRange → {{0, 16}, {0, 16}, {0, 18}}, Axes → True,
    PlotLabel → Style["Log(Count)", Large, Bold], ImageSize → 600, ViewPoint → {16, 16, 100}]
  ])

Table[Export[
   StringJoin[{NotebookDirectory[], "temp/", ToString[boys], ".", ToString[step], ".png"}],
   mplot[boys, step, 2], "PNG"], {step, 74, Length[raw], 1}];

Table[Export[
   StringJoin[{NotebookDirectory[], "temp1/", ToString[boys], ".", ToString[step], ".png"}],
   mplot[boys, step, 3], "PNG"], {step, 6, Length[raw], 1}];

Table[Export[
   StringJoin[{NotebookDirectory[], "temp2/", ToString[rose], ".", ToString[step], ".png"}],
   mplot[rose, step, 2], "PNG"], {step, 1, Length[raw], 1}];

Table[Export[
   StringJoin[{NotebookDirectory[], "temp3/", ToString[rose], ".", ToString[step], ".png"}],
   mplot[rose, step, 3], "PNG"], {step, 1, Length[raw], 1}];
```