

```

{序號, 姓名, 字, 號, 排行, 生日, 卒日, 配偶,
  子女序號, 子女, 過繼於, 出宗, 居地, 職業, 備註} = Range[15];
info = ( 序號 姓名 字 號 排行 生日 卒日 配偶 子女序號 子女 過繼於 出宗 居地 職業 備註 );
(*to be filled*)
compare[a_, b_] := If[ToString[a == b] == "True", True, False]
(*compare anything with strange variables*)
namelist = {};
Do[info[[n, 子女序號]] = {};
  If[MemberQ[namelist, info[[n, 姓名]]] == False, AppendTo[namelist, info[[n, 姓名]]];
  info[[n, 序號]] = Position[namelist, info[[n, 姓名]]][[1, 1]];
  (*add a new person if he is not in namelist*)
  Do[If[MemberQ[namelist, info[[n, 子女, c, 1, 1]]] == False,
    AppendTo[namelist, info[[n, 子女, c, 1, 1]]];
    (*add a new person's children if he is not in namelist*)
    If[MemberQ[Transpose[info][[姓名]], info[[n, 子女, c, 1, 1]]] == False,
      AppendTo[info, {Position[namelist, info[[n, 子女, c, 1, 1]]][[1, 1]],
        info[[n, 子女, c, 1, 1]], {}, {}, {}, {}, {}, {}, {}, {}, {}, {}, {}];
      AppendTo[info[[n, 子女序號]], Position[namelist, info[[n, 子女, c, 1, 1]]][[1, 1]];
      {c, Length[info[[n, 子女]]]};
    , {n, 2, Length[info]}];
info = SortBy[info, First];
Do[
  info[[Position[namelist, info[[n, 子女, c, 1, 1]]][[1, 1]] + 1, 排行]] =
    info[[n, 子女, c, 2, 1]], {n, 2, Length[info]}, {c, Length[info[[n, 子女]]]};
];
(*MatrixForm@info*)

tree = {};
Do[If[! compare[info[[n, 子女序號]], {}],
  AppendTo[tree, If[! compare[info[[info[[n, 子女序號, c]] + 1, 過繼於]], {}] &&
    ! compare[info[[n, 姓名]], info[[info[[n, 子女序號, c]] + 1, 過繼於]]],
    {info[[n, 序號]] → info[[n, 子女序號, c]], "過繼"},
    info[[n, 序號]] → info[[n, 子女序號, c]]];
  {n, 2, Length[info]}, {c, Length[info[[n, 子女序號]]]};
singleEfold[x_List, idx_, label_] := Which[
  compare[label, "過繼"],
  {Dashed, Red, Thick, Arrowheads[{{.0, .0}}],
    Arrow@BSplineCurve[{First[x], First[x] - {0, 0.3}}, (*Total[
      x[{{1, -1}}] If[First[x][[1]] > Last[x][[1]], {{0, 1}, {1, 0}}, {{1, 0}, {0, 1}}]]], *)
    Last[x] + {0, 0.3}, Last[x]], SplineWeights → {5, 10, 10, 5}}],
  True, {Blue, Arrowheads[{{.0, .0}}], Arrow@BSplineCurve[
    {First[x], First[x] - {0, 0.3}}, (*Total[
      x[{{1, -1}}] If[First[x][[1]] > Last[x][[1]], {{0, 1}, {1, 0}}, {{1, 0}, {0, 1}}]]], *)
    Last[x] + {0, 0.3}, Last[x]], SplineWeights → {5, 10, 10, 5}}];

VerticalChinese[str_, alignment_ : "Top", style_] := (
  lines = StringSplit[str, "\n"];
  lineLength = Table[StringLength@lines[[1]], {1, Length[lines]}];
  chars = Table[StringSplit[lines[[1]], ""], {1, Length[lines]}];

```


This image is blurred
to protect privacy

