

```

GD[g_GD] := g;
GD[L_] := GD @@ PD[L] /.
  X[i_, j_, k_, l_] => If[PositiveQ@X[i, j, k, l],
    Apl,i, Amj,i];
Draw[g_GD] := Module[{n = Max@Cases[g, _Integer, ∞]},
  Graphics[{
    Line[{{0, 0}, {n + 1, 0}}],
    List @@ g /. (ah_)i_,j_ => {
      Arrow[BezierCurve[{{i, 0}, {i + j, Abs[j - i]} / 2,
        {j, 0}}]],
      Text[ah /. {Ap → "+", Am → "-"}, {i, 0.3}]}],
  Table[Text[i, {i, -0.5}], {i, n}]]]

```