Flype@*l* gives a list of lists of all of the knots that can be obtained by applying one flype to each knot of the list *l*.

```
Flype@l_List := Flype@l =
  If[l == {}, l, Block[{a, c, e, n = Length@l[[1]],
    p = List @@ Build[Abs /@ l[[1]]] //
      (#ᵀ ⋃ Reverse@#ᵀ)ᵀ[[2]] &, y = {}},
   Do[c = Mod[2 i - 1 + s[[1]] Range@o, 2 n, 1];
    For[e = Max@Mod[
        Complement[p[[c]], c] - s[[2]] 2 l[[1, i]], 2 n, 1],
     e < Mod[s[[2]] (2 i - 1 - 2 l[[1, i]]), 2 n, 1],
     e++,
     c = c ⋃ Mod[2 l[[1, i]] + s[[2]] Range@e, 2 n, 1];
     If[Sort@p[[c]] == c,
      y = Join[y, {l, Convert /@ (Mod[
                  (a = Abs@#) +
                   Which[Mod[s[[1]] (a - 2 i + 1),
                      2 n, 1] ≤ o, -s[[1]],
                    Mod[s[[2]] (a - 2 l[[1, i]]),
                      2 n, 1] ≤ e, -s[[2]],
                    a == 2 i - 1, s[[1]] o,
                    a == 2 l[[1, i]], s[[2]] e,
                    True, 0],
                  2 n, 1] Sign@# &
                // Map[#, Build /@ l, {3}] &)}ᵀ]]],
    {i, n},
    {s, {{1, 1}, {1, -1}, {-1, 1}}},
    {o, 2, Mod[s[[1]] (2 l[[1, i]] - 2 i + 1), 2 n, 1] - 1}];
   KnotSort /@ If[Dimensions@y == {2}, y, (y ⋃ {})]]];
```