```
KnotSort@l List:=
KnotSort@l = Sort[1, If[Length@#1 == Length@#2,
     If[#1 === Abs /@#1.
      #2 = ! = Abs /@ #2 \lor Order [#1, #2] == 1,
      #2 = ! = Abs /@#2 \land Order[#1, #2] == 1],
     Length@#1 < Length@#2 | &];
```