

```
RVK[pd_PD] := PPRVK@Module[ {n, xs, x, rots, front = {0}, k},  
  n = Length@pd; rots = Table[0, {2n  xs = Cases[pd, x_X :> [ Xp[x[4], x[1]] PositiveQ@x;  
    Xm[x[2], x[1]] True];  
  For[k = 0, k < 2n, ++k, If[k == 0 ∨ FreeQ[front, -k],  
    front = Flatten[front /. k → (xs /. {  
      Xp[k + 1, L_] | Xm[L_, k + 1] :> {L, k + 1, 1 - L},  
      Xp[L_, k + 1] | Xm[k + 1, L_] :> (++rots[L]);  
      {1 - L, k + 1, L})  
    })],  
    Cases[front, k | -k] /. {k, -k} :> --rots[k + 1];  
  ];  
  RVK[xs, rots] ];  
RVK[K_] := RVK[PD[K]];
```