

```

VPB [BR [n_, is_List]] := VPB [n, Module [ { $\pi$  = Range@n, i}, Sequence @@ Table [
  If [i > 0,
     $\pi$  [ {i, i + 1} ] =  $\pi$  [ {i + 1, i} ] ;  $\sigma_{\pi[i+1], \pi[i]}$ ,
    (* else *)  $\pi$  [ {-i, -i + 1} ] =  $\pi$  [ {-i + 1, -i} ] ;  $\bar{\sigma}_{\pi[-i], \pi[-i+1]}$  ],
    {i, is} ] ]];
VD [br_BR] := VD [VPB@br]

```