

```

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]

```