

```

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]

```