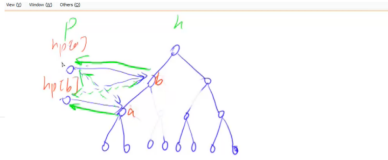$$ph[hp[a]] = a$$
$$ph[hp[b]] = b$$

The hp and ph array are the map of heap.

   ph[k] keep the index of the kth inserted number

   hp[k] keep in the index k of heap. ?th when it is inserted