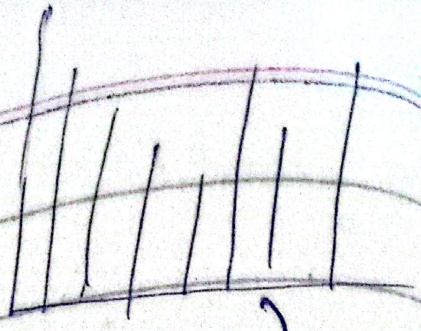
Container with most water.

height = [1,8,6,2,5,4,8,3,7]



→ Brute force

All possible container (picking 2 lines)

```
for(i=0; i<n; i++){ → left side
  for(j=i+1; j<n; j++){ → Right side
    w=j-i
    ht = min(height[i], height[j])
    area = w*ht;
  }
}
mw = max(mw, area).
```

$O(n^2)$

→ Two Pointer Approach

```
while(lp<rp){
  w = rp-lp
  ht = min(ht[lp], ht[rp])
  areawt = w*ht
  maxwater = max(mw, areawt)

ht[lp] < ht[rp] ? lp++ : rp--;
```

$O(n)$