

Find pivot in rotated sorted array in logn time

```
def findPivot(arr):
    lo = 0
    hi = len(arr)-1

    while lo<hi:
        mid = (lo+hi)//2
        if arr[mid]<arr[hi]:
            hi = mid
        else:
            lo = mid+1
    return arr[hi]

arr = [40,50,10,20,30]
print(findPivot(arr))
```