

```
var A,B,C:array[1..100000] of int64;
```

```
  n,l,r,q,k:int64;
```

```
  i,j:longint;
```

```
procedure qsort(l,r:longint);
```

```
var e,f1,f2:int64;
```

```
  i,j:longint;
```

```
begin
```

```
  i:=l;
```

```
  j:=r;
```

```
  e:=A[(i+j) div 2];
```

```
  while i<=j do
```

```
  begin
```

```
    while A[i]<e do inc(i);
```

```
    while A[j]>e do dec(j);
```

```
    if i<=j then begin
```

```
      f1:=A[i];
```

```
      A[i]:=A[j];
```

```
      A[j]:=f1;
```

```
      f2:=B[i];
```

```
      B[i]:=B[j];
```

```
      B[j]:=f2;
```

```
      inc(i);
```

```
      dec(j);
```

```
    end;
```

```
  end;
```

```
  if l<j then qsort(l,j);
```

```
  if i<r then qsort(i,r);
```

```
end;
```

```
begin
assign(input,'input.txt');
assign(output,'output.txt');
reset(input);
rewrite(output);
readln(n);
for i:=1 to n do
begin
read(A[i]);
B[i]:=i;
end;

readln(q);
c:=a;
qsort(1,n);

for i:=1 to q do
begin
readln(l,r);
if abs(l-r)<=1 then begin
        if c[l]>c[r] then writeln(c[l]) else writeln(c[r]);

        end else begin
if l>r then begin
        k:=l;
        l:=r;
        r:=k;
end;
end;
end;
```

```
for j:=n downto 1 do
  if (B[j]>=l) and (B[j]<=r) then
    begin
      writeln(A[j]);
      break;
    end;end;
end;
close(input);
close(output);
end.
```