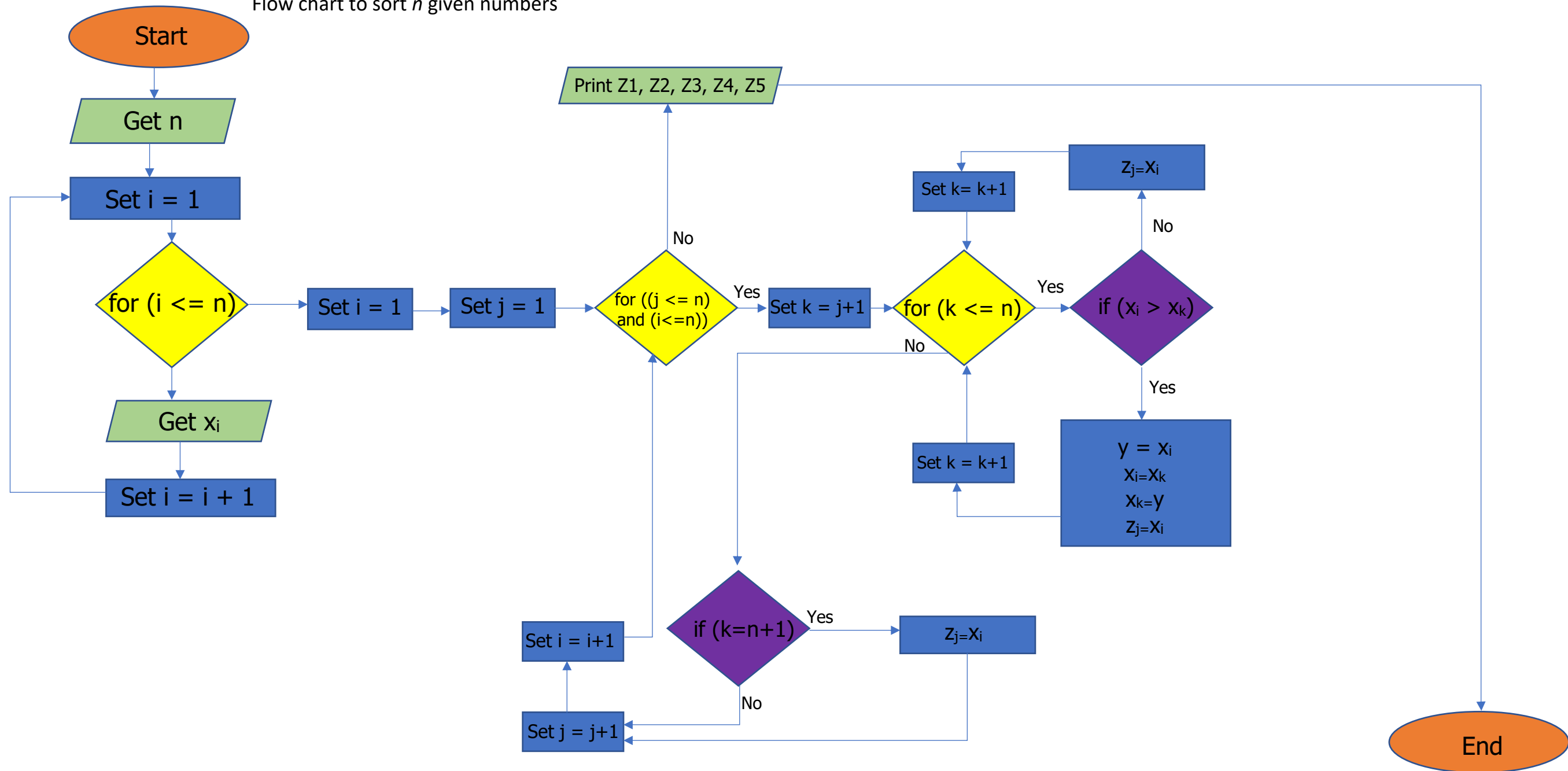


Flow chart to sort  $n$  given numbers



logic that I understand could be for the above algorithm

```
n=input
i = 1
for (i <= n)
{
  xi=input
  i = i+1
}
i = 1
j = 1
for ((i<=n) and (j<=n))
{
  k=j + 1
  for(k<=n)
  {
    if(xi>xk)
    {
      y = xi
      xi = xk
      xk = y
      zj = xi
    }
    else
    {
      zj = xi
    }
    k=k+1
  }
  if(k=n+1)
  {
    zj = xi
  }
  i=i+1
  j=j+1
}
Print z1, z2, z3, z4, z5
```