

a)

```

1 //rec(in1, ind)
2 //rec(ind, in1->next)
3 //rec(ind->next->next, in1->next->next->next)
4 //rec(ind)
  return nullptr
  return in1->next->next->next->next=4
  return in1->next->next=3->4
  return in1->next=2->3->4
  return in1 = 1->2->3->4

```

$\boxed{\text{llrec}(\text{in1}, \text{ind}) \text{ is } 1, 5, 2, 6, 3, 4}$

b)

```

//rec(nullptr, ind)
return ind=2

```

$\boxed{\text{llrec}(\text{nullptr}, \text{ind}) \text{ is } 2}$