

Test Cases

```
?- sublist(0,2,[1,2,3,4],L).  
L = [1, 2, 3] ;  
false.
```

```
?- sublist(2,2,[1,2,3,4],L).  
L = [3] ;  
false.
```

```
?- sublist(2,7,[1,2,3,4],L).  
L = [3, 4] ;  
false.
```

```
?- sublist(7,2,[1,2,3,4],L).  
L = [] ;  
false.
```

```
?- sublist(0,0,[1,2,3,4],L).  
L = [1] ;  
false.
```

```
%according to the facts given in the description  
?- collect_hints(L).  
L = [at(3, 5, c), at(5, 0, w), at(9, 6, c)].
```

```
?- length(L,100),ensure_hints(L, [at(3, 5, c), at(5, 0, w), at(9, 6, c)],10,10).  
L = [_G1699, _G1702, _G1705, _G1708, _G1711, w, _G1717, _G1720, _G1723, _G1726,  
_G1729, _G1732, _G1735, _G1738, _G1741, _G1744, _G1747, _G1750, _G1753, _G1756,  
_G1759, _G1762, _G1765, _G1768, _G1771, _G1774, _G1777, _G1780, _G1783, _G1786,  
_G1789, _G1792, _G1795, _G1798, _G1801, _G1804, _G1807, _G1810, _G1813, _G1816,  
_G1819, _G1822, _G1825, _G1828, _G1831, _G1834, _G1837, _G1840, _G1843, _G1846,  
_G1849, _G1852, _G1855, c, _G1861, _G1864, _G1867, _G1870, _G1873, _G1876,  
_G1879, _G1882, _G1885, _G1888, _G1891, _G1894, _G1897, _G1900, _G1903, c,  
_G1909, _G1912, _G1915, _G1918, _G1921, _G1924, _G1927, _G1930, _G1933, _G1936,  
_G1939, _G1942, _G1945, _G1948, _G1951, _G1954, _G1957, _G1960, _G1963, _G1966,  
_G1969, _G1972, _G1975, _G1978, _G1981, _G1984, _G1987, _G1990, _G1993, _G1996];  
false
```

```
?- length(L,9),ensure_hints(L, [at(1, 2, c), at(0, 1, l)],3,3).  
L = [_G1589, _G1592, _G1595, l, _G1601, _G1604, _G1607, c, _G1613] ;  
false.
```

```
?- length(L,9),ensure_hints(L, [at(1, 2, c), at(0, 5, l)],3,3).  
false.
```

```
?- list_to_llists([w,w,w,w],2,LL).
LL = [[w, w], [w, w]] ;
false.
```

```
?- list_to_llists([w,w,w,w],3,LL).
LL = [[w, w, w]] ;
false.
```

```
?- list_to_llists([w,w,c,l,r,w,c,c,w,w,w,w],3,LL).
LL = [[w, w, c], [l, r, w], [c, c, w], [w, w, w]] ;
false.
```

```
?- getZeroth([1,2],Z).
Z = 1.
```

```
?- getZeroth([],Z).
false.
```

```
?- getZeroth([X,1,2],Z).
Z=X.
```

```
?- rest([],R).
R = [] ;
false.
```

```
?- rest([1,2,3],R).
R = [2, 3] ;
false.
```