

```
1: // $Id: linknode.cpp,v 1.7 2016-04-19 19:26:30-07 - - $
2:
3: #include <iostream>
4: using namespace std;
5:
6: struct node;
7: struct link {
8:     node* next {};
9:     node* prev {};
10: };
11: struct node: link {
12:     int value {};
13: };
14:
15: int main() {
16:     node* nn = new node();
17:     link* ll = nn;
18:     nn = static_cast<node*> (ll);
19:     cout << "nn = " << nn << ", sizeof = " << sizeof (node) << endl;
20:     cout << "ll = " << ll << ", sizeof = " << sizeof (link) << endl;
21:     char* p = new char;
22:     for (int i = 0; i < 8; ++i) {
23:         char* q = new char;
24:         cout << static_cast<void*> (q) << " " << q - p << endl;
25:         p = q;
26:     }
27: }
28:
29: //TEST// linknode >linknode.out 2>&1
30: //TEST// mkpspdf linknode.ps linknode.cpp* linknode.out
31:
```

[illegible]

```
1: nn = 0x1be0030, sizeof = 24
2: ll = 0x1be0030, sizeof = 16
3: 0x1be0070 32
4: 0x1be0090 32
5: 0x1be00b0 32
6: 0x1be00d0 32
7: 0x1be00f0 32
8: 0x1be0110 32
9: 0x1be0130 32
10: 0x1be0150 32
```