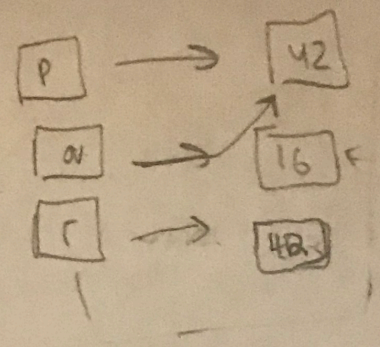
2) What will be the output of the following code fragment?

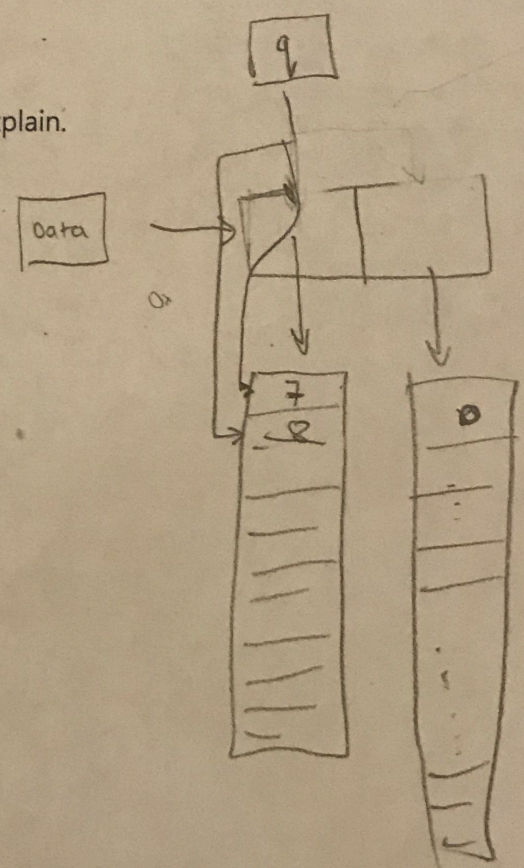
```
int* p = new int(42);
int* q = new int(16);
int* r = new int(33);
*r = *q;
q = p;
*r = 42;
cout << *p << " and " << *q << " and " << *r << endl;
```



42 and 42 and 42.

3) What will be the output of the following code fragment? Explain.

```
int** data = new int*[2]();
data[0] = new int[10]();
data[1] = new int[20]();
int* q = data[0];
*q = 7;
q = q + 1;
*q = 8;
cout << data[0][0] << data[1][0] << endl;
delete [] data[1];
delete [] data[0];
delete [] data;
```



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