

Homework 4

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1 Homework 4

1.1 3.54

```
1 int decode2(int x, int y, int z) {  
2     int edx = y - z;  
3     int eax = edx << 31 >> 31;  
4     edx *= x;  
5     return edx ^ eax;  
6 }
```

1.2 3.57

```
1 int cread(int *xp) {  
2     int t = 0;  
3     return *(xp ? xp : &t);  
4 }
```

1.3 3.59

```
1 int switch(int x, int n) {  
2     int result = x;  
3  
4     switch(n) {  
5         case 50:  
6         case 52:  
7             result <<= 2;  
8             break;  
9         case 53:  
10            result >>= 2;  
11            break;  
12         case 54:  
13            result = result * 3;
```

```
14         case 55:
15             result *= result;
16         case 51:
17         default:
18             result += 10;
19     }
20
21     return result;
22 }
```