For the basic block:

```
q = 3
r = 10
s = q + r
t = 2*r+s
t = q
u = q + r
v = q + t
w = 3 + x
```

State which optimization was performed on the above block to produce the following blocks. The optimization choices are:

- Copy Propagation

- Common Subexpression Elimination

- Dead Code Elimination

1. ```
   q = 3
   r = 10
   s = q + r
   t1 = s
   t = 2*r+s
   t = q
   u = t1
   v = q + t
   w = 3 + x
   ```

2. ```
   q = 3
   r = 10
   s = q + r
   t = 2*r+s
   t = q
   u = q + r
   v = q + q
   w = 3 + x
   ```

3. ```
   q = 3
   r = 10
   s = q + r
   t = q
   u = q + r
   v = q + t
   w = 3 + x
   ```