

Mini Quiz 18

github.com/6035/sp22

Name: _____

Kerberos username (omit @mit.edu): _____

For the basic block:

```
s = q + r
t = 2*r+s
t = q
u = q + r
v = q + t
```

State which optimization was performed on the above block to produce the following blocks. The optimization choices are: Copy Propagation, Common Subexpression Elimination, and Dead Code Elimination.

```
1. s = q + r
   t1 = s
   t = 2*r+s
   t = q
   u = t1
   v = q + t
```

```
2. s = q + r
   t = 2*r+s
   t = q
   u = q + r
   v = q + q
```

```
3. s = q + r
   t = q
   u = q + r
   v = q + t
```