

SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
UCS2702 - Compiler Lab

Programming Assignment-7 Implementation of code optimization techniques

Consider the Three Address Code sequences and apply the following techniques to optimize the code.

1. Constant folding
2. Algebraic identities
3. Strength reduction
4. Dead code elimination

Input:

```
t1= 5*3  
t2=a+0  
t3=b*1  
t4=b*d  
t5=d**2  
t6=b*d
```

Output:

```
t1=15  
  
t3=b  
t4=b*d  
t5=b*b
```