1. 答：

三地址码程序为

i := 1

L1: if i <= 10 goto L2

goto Lnext

L2: t1 := c

t2 := 4 \* i

t1[t2] := 0

t1 := i + 1

i := t­1

goto L1

Lnext:

流图为

i := 1

­t2 := 4 \* i

a[t2] := 0

t1 := i + 1

i := t1

goto L1

goto Lnext

if i <= 10 goto L2

1. 答：

流图如下

i := 1

­a := u \* v

b := m \* m

t1 := b \* b

c := i \* t1

i := i + 1

if i < 100 goto L

进行代码外提、强度削弱、归纳变量删除后的结果为

i := 1

­c := c + t1

if c < t2 goto L

a := u \* v

b := m \* m

t1 := b \* b

c := i \* t1

t2 := 99 \* t1