12

Optimized FAC.

 $t_1 = 4*i$ $t_2 = a[t_1]$ $t_4 = b[t_1]$ $t_6 = c[t_1]$ $t_7 = t_2 * t_4$ $t_8 = t_7 + t_6$ $t_9 = t_9 + t_9$

ey (2=20 goto (1)

C = i+1

t.

13) TAC Coptinuized)

[a = 20 b = x x 11.7]

[bg: ij a < 100 goto Thabel)

[goto Fhabel]

Thubel: b = 2 **

ij a > b goto T, Label)

[goto Fi fabel]

T, Label: a = a + 30

goto bg

[Fhabel: a = b + 30

goto bg

[Fhabel:

Begin: ij iz = 10 goto: Trabel
goto Frabel

Thabal: ti=i+1

10)

 $\dot{c} = \pm 1$ $\dot{y} \quad \dot{c} \neq 0 \quad \text{goto} \quad L1$ $\dot{t}_2 = 2C \times Z$ $\dot{t}_3 = \dot{t}_2 + \dot{y}$

m = t3 goto Begin

QQ 23

'L1: iy $i \neq 2$ goto L3 t + 2 = x/2 t + 4 t = x/2 t = x + 4 t = x + 5goto Bregin t = x + 2 t = x

int of int or int or int or int

Symbol table

Sort (n) nil/ array inf read array. Exchange quick sont readarray osuhanye ! Spokeye Sort o sort int. poutition partition quickery i int inf

7

2.

print (6) oc w DC 2 print (3) w print (6) z print (3) print (6) DL print (3) print (2)

Output

2363636 cost 2 6 (RO), R1 MO V 2 b, R1 ADD 2 #3,R1 Sub RI, a MOV RO, R1 DDD RI, d Mor 11

- 6 Leaders au
- o ij azb goto LI
- @ goto L2 3 wing
- 3 L1: 61= 2+4
 - RD 9=0
 - (5) L2: +1 = x y

0