Homework 7.

- 9.1. (a) Loop {2,5}
 Loop {2,3,5}
 Loop {3,4}
 - (b). 只有 a=13 替换, b=2 没有.
 - B_{2} : (3) C=1+b (4) d=C-1
 - B4: (6) d= 1+b
 - Bs: (8) b= 1+6.
 - (9) e= C-1
 - (c) 全角在只飞起式 Loop: {2,5} >有(3): a+b. Loop: {2,3,5} (4): c-a.

Loop 23,43 没有.

(4). 归纳题:

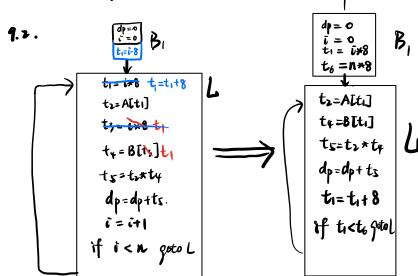
Loop : {3,43 => (7) e= e+1

Loop: {2,3,5} >= (8) b= b+1 Loop: {2,3,5} >= (3) C= C+2 在 B,中发文 C=b-1

(8)循环不是:

Leop: { 3,43 : atb 是循环疾病。

Loop: {2,5},{3,5,5} 无循环移的计算



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9.3. (a).
                           {3,4} {(5)} {6,7} {8,9}
              21,23
                                                                          80,113
              {8, 10,11} {3,63
                                                 24,5,93
                                    { 4, 6}
                                                            £2,7,113.
                           {1,2} {1,2,3,4} {1,2,3,5}
       IN
                                                              £1,2,3,4,5}
                                                                          £1,23,4,5,8,93
               {1,23 {1,2,3,43 {1,2,3,53} {1,2,3,6,7}
                                                             £1,3,4,3,8,93 & 3,4,5,4,103
             gen U { In-kitl}
  没 dida... dn 用 to. 马形乱进行编码
        In(B) = UB. prod.d; Out(B) = gen(B) U [In(B) \( \hat{kill(B)} \)]
  进行选代,直到 Output 不支, $P:
                            kill(Bi)
                                              IN(Bt)
              gen(Bi)
                                                                 OUT( Bi)
        i
                            0000 000 011
        ı
              1100 0000 000
                                              000 0000 000
                                                                 1100 0000 000
       3
                                              111 100 100
                                                                 1111 000 100
              001 0000 000
                            0000 1100 000
                                                                  1110 1011 100
              0000 1000 000
                                              1111 0111 100
       3
                            0001 0100 000
                                              1110 1011 100
                                                                 1110 0111 000
              0000 0110 000
                            0001 1000 100
```

首先全集 U= { 1.2, a+b, c-a, b+d, e+1, b+d, a-d} (b)

The the In(B) = A pred B. out Out(B) = e-gen(B) U { In(B) - e-kill(B)}

ì	gen-e(Bi)	kau-e (Bi)	In(Bi)	Out(Bi)
ı	{1,2}	{ a+b, c-a, b+d, b*d,a-d}	φ	{1,2}
2	{a+b,c-a}	{ c-a, b+d, b*d, a-d}	{1,2}	{1,2, a+b, c-a}
3	•	{ b+d, b*d, a-d}	{ 1,2, a+b,c-a}	{1,2,0+b,c-a3
4	{a+b}	{ btd, b*d, α−d, et1 }	{ 1.2, a+b, c-a}	{ 1,2, a+b, c-a}
2	{ c-a}	{b+d, b*d,e+1, a+b}	{1,2, a+b, c-a}	£1,2, c-a3
6	{ a-d }	{ a+b. c-a, b+d, b*d}	{1,2,c-a}	{1,2, a-d}

(c) U = {a,b,c,d,e}

Out (B) = UIn(B.Succ) $I_{n}(B) = use(B) \cup \{Out(B) - def(B)\}$ usec:在引用C之前股餘以 defc:在定义C前没有引用C.

9.15. (a) 支配結点 支配対象 1 1-6 2 2-6 3 3.4: 4 4. 5 5,6. 6 6.