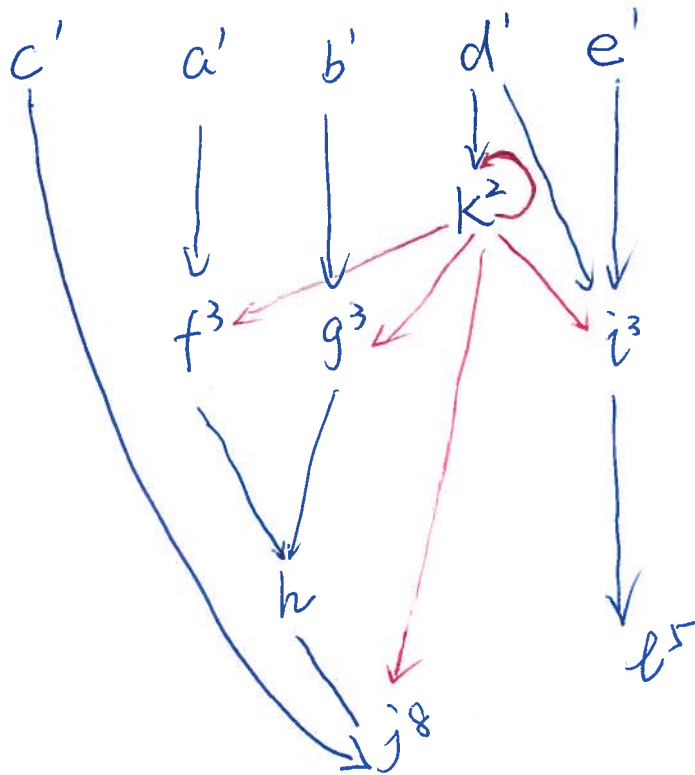


2.



BC

$$\lceil 7/2 \rceil = 4$$

for load and store

$$\lceil 3/1 \rceil = 3$$

$$\text{So } BC = 4$$

$$DC = 1/1 = 1$$

$$\text{So } \min II = 4$$

Since k is antidependence with

f, g, i, j . It need to wait ~~for~~ them all done.

	Func 1	Func 2
k_1	f	i
k_2	g	i
k_3		
k_4		
k_5	h	
k_6		
k_7	j	k
k_8	l	

since all include in loop.
no neessary to generate prologue and epilogue.

- a addI $r_{arp} @x \Rightarrow r_{@x}$
- b addI $r_{arp} @y \Rightarrow r_{@y}$
- c addI $r_{arp} @z \Rightarrow r_{@z}$
- d loadI $0 \Rightarrow r_{ctr}$
- e loadI $792 \Rightarrow r_{ub}$
- f $L1 = \text{loadA0 } r_{ctr}, r_{@x} \Rightarrow r_x$
- g $\text{loadA0 } r_{ctr}, r_{@y} \Rightarrow r_y$
- h mult $r_x, r_y \Rightarrow r_z$
- i cmpLT $r_{ctr}, r_{ub} \Rightarrow r_{cc}$
- j store $A0, r_z \Rightarrow r_{ctr}, r_{@i}$
- k addI $r_{ctr} 4 \Rightarrow r_{ctr}$
- l cbr $r_{cc} \rightarrow L1, L2$
- m $L2 \dots$