Homework 4 Dependence Analysis Zewen Hua

-				2 20 Sil 2
1	Stmt	read	write	518132
	SI	a	a	(S2) CN 1 700 5 3
	Sa	a.b	Ь	8, 210,22
	S3	a, d	C	538°S5
	S4	C	d	CX 530+54 0
	Se	a	a	C 24 C
				530 54
			_ ^	- 1

Out(Si) n In(Sa) =	- {a}	\rightarrow	SistSz
Out(Si) (In(S3) =	= {a}	\rightarrow	Si ofs3
Out (SI) 1 In (S5) =	: }aj	7	S18 55
Out (S3) 1 In (S4) =	= { c}	7	S30+S4
Out (SI) 1 Out (Ss)	$= \{a\}$	-	5,8055
our minor			

In (SI) nout (Ss) - {a} - Si sass In (S2) (Out (St) = {a} -> S25 St In(S3) n Out(S5) = {a} -> S3 daSt In (S3) 1 Out (S4) = {d} - S3 8 S4

2. SI: A[i][j] = A[i+1][j-1] Sz. BIJIJ = ALIJIJ

Body ALI, I] = ALI+IJEj-IJ BIII] = ALIJIJ

distance vector direction vector (-1,1)

They cannot be re-ordered. Because the first sign is "-"

reordered

For Sa:

No dependencies, fully re-orderable