

Solución Ejercicio de Estatutos

A	float	4000
B	int	1000
C	float	4001
D	float	4002
E	int	1001
F	int	1002
G	float	4003
H	int	1003
J	int	1004
K	int	1005

Tabla Vars con DirV

Tint	13000
Tfloat	14000
TBool	15000

Dir Virtuales de Temp
y de Cte's

CteInt	17000
CteFloat	18000
CteStr	19000

Genera las acciones de código intermedio basado en cuádruplos para el siguiente segmento de código:

```

A = B + C * (D - E / F) * H;
B = E - F;
WHILE (A * B - C >= D * E / (G + H))
{
    H = J * K + B;
    IF (B < H)
    {
        B = H + J;
        WHILE (B > A + C)
        {
            PRINT (A + B * C, D - E);
            B = B - J;
        }
    }
    ELSE
    {
        DO
        {
            A = A + B;
            PRINT (B - D);
        }
        WHILE (A - D < C + B);
    }
}
D = A + B;

```

versión NOMBRES

1	/	E	F	T1
2	-	D	T1	T2
3	*	C	T2	T3
4	*	T3	H	T4
5	+	B	T4	T5
6	=	T5		A
7	-	E	F	T6
8	=	T6		B
9	*	A	B	T7
10	-	T7	C	T8
11	*	D	E	T9
12	+	G	H	T10
13	/	T9	T10	T11
14	>=	T8	T11	T12
15	GOTO	T12		44
16	*	J	K	T13
17	+	T13	B	T14
18	=	T14		H
19	<	B	H	T15
20	GOTO	T15		35
21	+	H	J	T16
22	=	T6		B
23	+	A	C	T17
24	>	B	T17	T18
25	GOTO	T18		34
26	*	B	C	T19
27	+	A	T19	T20
28	PRINT			T20
29	-	D	E	T21
30	PRINT			T21
31	-	B	J	T22
32	=	T22		B
33	GOTO			23
34	GOTO			43
35	+	A	B	T23
36	=	T23		A
37	-	B	D	T24
38	PRINT			T24
39	-	A	D	T25
40	+	C	B	T26
41	<	T25	T26	T27
42	GOTO	T27		35
43	GOTO			9
44	+	A	B	T28
45	=	T28		D

versión Dir Virtuales

1	/	1001	1002	14000
2	-	4002	14000	14001
3	*	4001	14001	14002
4	*	14002	1003	14003
5	+	1000	14003	14004
6	=	14005		4000
7	-	1001	1002	13000
8	=	13000		1000
9	*	4000	1000	14005
10	-	14005	4001	14006
11	*	4002	1001	14007
12	+	4003	1003	14008
13	/	14007	14008	14009
14	>=	14006	14009	15000
15	GOTO	15000		44
16	*	1004	1005	13001
17	+	13001	1000	13002
18	=	13002		1003
19	<	1000	1003	15001
20	GOTO	15001		35
21	+	1003	1004	13003
22	=	13003		1000
23	+	4000	4001	14010
24	>	1000	14010	15002
25	GOTO	15002		34
26	*	1000	4001	14011
27	+	4000	14011	14012
28	PRINT			14012
29	-	4002	1001	14013
30	PRINT			14013
31	-	1000	1004	13004
32	=	13004		1000
33	GOTO			23
34	GOTO			43
35	+	4000	1000	14014
36	=	14014		4000
37	-	1000	4002	14015
38	PRINT			14015
39	-	4000	4002	14016
40	+	4001	1000	14017
41	<	14016	14017	15003
42	GOTO	15003		35
43	GOTO			9
44	+	4000	1000	14018
45	=	14018		4002