

J E S 2 J O B L O G

11.19.53 JOB 565 \$HASP373 SIMULA STARTED - INIT 1 - CLASS A - SYS HMVS
11.19.53 JOB 565 IEF403I SIMULA - STARTED - TIME=11.19.53
11.19.53 JOB 565 IEFACTRT (JS# 1)/SIMULA /00:00:00.01/00:00:00.03/00000/SIMULA
11.19.53 JOB 565 IEFACTRT GO /LOADER /00:00:00.04/00:00:00.05/00000/SIMULA
11.19.53 JOB 565 IEF404I SIMULA - ENDED - TIME=11.19.53
11.19.53 JOB 565 \$HASP395 SIMULA ENDED

----- JES2 JOB STATISTICS -----

30 NOV 25 JOB EXECUTION DATE

71 CARDS READ

949 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

1	//SIMULA JOB (SYS),'IVP SIMULA',MSGCLASS=X,REGION=1024K	JOB 565
	***	00020000
	*** This job compiles and runs a simula program "99 bottle(s) of beer"	00030000
	*** from http://www.99-bottles-of-beer.net/	00040000
	***	00050000
2	// EXEC PGM=SIMULA,PARM='INDENT=3,SYMBDUMP=3,RESWD=4,LIST,XREF'	00060000
	***	00070000
	*** indent the listing 3 cols after each begin	00080000
	*** creation symbolic dump information	00090000
	*** uppercase reserved words, an first char uppercase known functions	00100000
	*** show aseember listing	00110000
	*** and cross references	00120000
	***	00130000
3	//STEPLIB DD DSN=SYSC.SIMULA.SIMLIB,DISP=SHR	00140000
4	//SYSPRINT DD SYSOUT=*	00150000
5	//SYSTEM DD SYSOUT=*	00160000
6	//SYSUT1 DD UNIT=VIO,DISP=(NEW,DELETE),SPACE=(3200,(20,20))	00170000
7	//SYSUT2 DD UNIT=VIO,DISP=(NEW,DELETE),SPACE=(3200,(20,20))	00180000
8	//SYSUT3 DD UNIT=VIO,DISP=(NEW,DELETE),SPACE=(3200,(20,20))	00190000
9	//SYSUT4 DD UNIT=SYSDA,DISP=(NEW,DELETE),SPACE=(1024,256),	00200000
	// DCB=DSORG=DA	00210000
10	//SYSGO DD DSN=&&OBJ,DISP=(NEW,PASS,DELETE),	00220000
	// UNIT=SYSDA,SPACE=(CYL,(1,1)),	00230000
	// DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120,DSORG=PS)	00240000
11	//SYSIN DD * GENERATED STATEMENT	
12	//GO EXEC PGM=LOADER,	00560000
	// PARM='EP=ZYQENT,MAP,PRINT/DUMP=5,SYMBDUMP=6,TERM,TRACE=1'	00570000
	***	00580000
	*** maximum postmoretm dump in case of error	00590000
	*** and symbolic dumps also	00600000
	*** all debugging output to system	00610000
	*** allow trace facility	00620000
	***	00630000
13	//SYSIN DD DUMMY	00640000
14	//SYSLIN DD DSN=&&OBJ,DISP=(OLD,DELETE)	00650000
15	//STEPLIB DD DSN=SYSC.SIMULA.SIMLIB,DISP=SHR	00660000
16	//SYSLIB DD DISP=SHR,DSN=SYSC.SIMULA.SIMLIB	00670000
17	//SYSLOUT DD SYSOUT=*	00680000
18	//SYSOUT DD SYSOUT=*	00690000
19	//SYSTEM DD SYSOUT=*	00700000
	//	00710000

IEF236I ALLOC. FOR SIMULA
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00022
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTEM
IEF237I VIO ALLOCATED TO SYSUT1
IEF237I VIO ALLOCATED TO SYSUT2
IEF237I VIO ALLOCATED TO SYSUT3
IEF237I 390 ALLOCATED TO SYSUT4
IEF237I 280 ALLOCATED TO SYSGO
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I SIMULA - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYSC.SIMULA.SIMLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I UCSYSCPK KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I JES2.JOB00565.S00102 SYSOUT
IEF285I JES2.JOB00565.S00103 SYSOUT
IEF285I SYS25334.T111953.RA000.SIMULA.R0000001 DELETED *-----0
IEF285I SYS25334.T111953.RA000.SIMULA.R0000002 DELETED *-----0
IEF285I SYS25334.T111953.RA000.SIMULA.R0000003 DELETED *-----3
IEF285I SYS25334.T111953.RA000.SIMULA.R0000004 DELETED *-----0
IEF285I VOL SER NOS= WORK03.
IEF285I SYS25334.T111953.RA000.SIMULA.OBJ PASSED *-----1
IEF285I VOL SER NOS= MVS380.
IEF285I JES2.JOB00565.SI0101 SYSIN
IEF373I STEP / / START 25334.1119
IEF374I STEP / / STOP 25334.1119 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 616K SYS 240K
**** JOB NAME: SIMULA JOBCARD READ 2025/334 11:19:53 370/148 VS2 R03.8 HMVS *****
*
* STEP NUMBER: 1 USER CORE: 616K START TIME: 11:19:53 CPU TIME: 00:00:00.01 ACTIVE TIME: 00:00:00.02 *
* STEP NAME: SYSTEM CORE: 240K STOP TIME: 11:19:53 SRB TIME: 00:00:00.00 ALLOC TIME: 11:19:53 *
* PROGRAM NAME: SIMULA REGION SIZE: 1024K ELAPSED TIME: 00:00:00.03 TCB TIME: 00:00:00.01 PROGRAM LOAD: 11:19:53 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004
* JES2 CARDS: 3 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 102 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 253/D3350 0 253/D3350 0 FFF/D VIO 0 FFF/D VIO 0 FFF/D VIO 3 390/D3390 0 *
* 280/D3380 1

IEF236I ALLOC. FOR SIMULA GO
IEF237I DMY ALLOCATED TO SYSIN
IEF237I 280 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00024
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I JES2 ALLOCATED TO SYSLOUT
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I JES2 ALLOCATED TO SYSTEM
IEF142I SIMULA GO - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS25334.T111953.RA000.SIMULA.OBJ DELETED *-----2
IEF285I VOL SER NOS= MVS380.
IEF285I SYSC.SIMULA.SIMLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I UCSYSCPK KEPT *-----0
IEF285I VOL SER NOS= SYSCPK.
IEF285I SYSC.SIMULA.SIMLIB KEPT *-----394
IEF285I VOL SER NOS= SYSCPK.
IEF285I JES2.JOB00565.S00104 SYSOUT
IEF285I JES2.JOB00565.S00105 SYSOUT

IEF285I JES2.JOB00565.S00106 SYSOUT
IEF373I STEP /GO / START 25334.1119
IEF374I STEP /GO / STOP 25334.1119 CPU 0MIN 00.03SEC SRB 0MIN 00.01SEC VIRT 1024K SYS 224K

*
* STEP NUMBER: 2 USER CORE: 1024K START TIME: 11:19:53 CPU TIME: 00:00:00.04 ACTIVE TIME: 00:00:00.04 *
* STEP NAME: GO SYSTEM CORE: 224K STOP TIME: 11:19:53 SRB TIME: 00:00:00.01 ALLOC TIME: 11:19:53 *
* PROGRAM NAME: LOADER REGION SIZE: 1024K ELAPSED TIME: 00:00:00.05 TCB TIME: 00:00:00.03 PROGRAM LOAD: 11:19:53 *
* CONDITION CODE: 00000 PERFORMANCE GROUP: 004 *
* JES2 CARDS: 0 SERVICE UNITS PAGES IN/OUT # SWAPS PAGES SWAP IN/OUT VIO PAGES IN/OUT *
* 2,054 0 / 0 0 0 / 0 0 / 0 *
*
* ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT ADDR/UNIT I/O COUNT *
* 280/D3380 2 253/D3350 0 253/D3350 0 253/D3350 394 *

IEF375I JOB /SIMULA / START 25334.1119
IEF376I JOB /SIMULA / STOP 25334.1119 CPU 0MIN 00.04SEC SRB 0MIN 00.01SEC

COMPILER OPTIONS

LIST
NODECK
LOAD
WARN
SUBCHK
XREF
SOURCE
NOTERM

LINECNT = 60
MAXERROR= 50
INDENT = 3
RESWD = 4
EXTERN = 0
SYMBDUMP= 3

```
00001 BEGIN                                00250000 B1
00002 COMMENT                             00260000
00003     SIMULA VERSION OF 99 BEERS        00270000
00004     mACIEJ mACOWICZ (MM@CPE.IPL.FR)  00280000
00005     STATUS: untested :)              00290000
00006     aMENDED 2007-03-10 BY JACK LEUNISSEN (JACK.LEUNISSEN@WUR.NL) 00300000
00007     STATUS: working (AT LEAST IT PRINTS AND COUNTS CORRECTLY) 00310000
00008 ;                                    00320000
00009 INTEGER bottles;                     00330000
00010 INTEGER num;                          00340000
00011 num := 2;                             00350000
00012 FOR bottles:= 99 STEP -1 UNTIL 1 DO   00360000
00013 BEGIN                                  00370000 B2
00014     IF (bottles < 10) THEN num := 1;   00380000
00015     Outint(bottles,num);                 00390000
00016     Outtext(" bottle(s) of beer on the wall, "); 00400000
00017     Outint(bottles,num);                 00410000
00018     Outtext(" bottle(s) of beer");       00420000
00019     Outimage;                           00430000
00020     Outtext("Take one down, pass it around, "); 00440000
00021     Outint(bottles - 1,num);              00450000
00022     Outtext(" bottle(s) of beer on the wall. "); 00460000
00023     Outimage;                           00470000
00024     Outimage;                           00480000
00025 END;                                   00490000 E2
00026 Outtext("1 bottle of beer on the wall, one bottle of beer."); 00500000
00027 Outimage;                              00510000
00028 Outtext("Take one down, pass it around, "); 00520000
00029 Outtext("no more bottles of beer on the wall"); 00530000
00030 Outimage                               00540000
00031 END                                  00550000 E1
```

IDENTIFIER	LINE						
BOTTLES	9	12	14	15	17	21	
NUM	10	11	14	15	17	21	
OUTIMAGE	19	23	24	27	30		
OUTINT	15	17	21				
OUTTEXT	16	18	20	22	26	28	29

TOTAL NUMBER OF DIFFERENTLY SPELLED IDENTIFIERS AVAILABLE IN THIS PROGRAM : 114

	000000		USING	*,14	
	000000	18EF	LR	14,15	
C	000000	F3F0	DC	X'F3F0'	
C	000002	40D5	DC	X'40D5'	
C	000004	D6E5	DC	X'D6E5'	
C	000006	40F2	DC	X'40F2'	
C	000008	F0F2	DC	X'F0F2'	
C	00000A	F540	DC	X'F540'	
C	00000C	40F1	DC	X'40F1'	
C	00000E	F17A	DC	X'F17A'	
C	000010	F1F9	DC	X'F1F9'	
C	000012	7AF5	DC	X'7AF5'	
C	000014	F34B	DC	X'F34B'	
C	000016	F4F0	DC	X'F4F0'	
C	000018	F1F2	DC	X'F1F2'	
C	00001A	F0F0	DC	X'F0F0'	
C	00001C	4040	DC	X'4040'	
C	00001E	40C7	DC	X'40C7'	
C	000020	D4C4	DC	X'D4C4'	
C	000022	0040	DC	X'0040'	
C	000024	4040	DC	X'4040'	
C	000026	4040	DC	X'4040'	
C	000028	4040	DC	X'4040'	
C	00002A	4040	DC	X'4040'	
C	00002C	4040	DC	X'4040'	
C	00002E	4040	DC	X'4040'	
C	000030	4040	DC	X'4040'	
C	000032	4006	DC	X'4006'	
C	000034	028C	DC	X'028C'	
C	000036	0000	DC	X'0000'	
C	000038	0000	DC	X'0000'	
C	00003A	0000	DC	X'0000'	
C	00003C	0000	DC	X'0000'	
C	00003E	0000	DC	X'0000'	
C	000040	0000	DC	X'0000'	
C	000042	0000	DC	X'0000'	
C	000044	0300	DC	X'0300'	
C	000046	0000	DC	X'0000'	
C	000048	0000	DC	X'0000'	
C	00004A	0000	DC	X'0000'	
C	00004C	0000	DC	X'0000'	
C	00004E	0000	DC	X'0000'	
C	000050	0000	DC	X'0000'	
C	000052	0000	DC	X'0000'	
C	000054	0000	DC	X'0000'	
C	000056	0000	DC	X'0000'	
		LINE 0001			
C	000058	0000	DC	X'0000'	
C	00005A	0002	DC	X'0002'	
	000FFC	0000 0000	DC	X'00000000'	
	000002	5810 EFFC	L	1,4092(,14)	
	000006	45E0 D210	BAL	14,528(,13)	BB
	00000A		USING	*,14	
P	000000	0000 0000	DC	X'00000000'	
P	000004	0018 0108	DC	X'00180108'	
P	000008	0000 0000	DC	X'00000000'	
P	00000C	0000 0000	DC	X'00000000'	
P	000010	0000 0000	DC	X'00000000'	

SIMULA 67 (VERS 12.00)				30 NOV 2025		11:19:53.40	PAGE	5	GMD
P	000014	0001	001F	DC	X'0001001F'				
P	000018	0003	0000	DC	X'00030000'				
P	00001C	4040	4040	DC	X'40404040'				
P	000020	4040	4040	DC	X'40404040'				
P	000024	4040	4040	DC	X'40404040'				
P	000028	0000	0000	DC	X'00000000'				
P	00002C	0101	0710	DC	X'01010710'				
P	000030	0000	0008	DC	X'00000008'				
P	000034	C2D6	E3E3	DC	X'C2D6E3E3'				
P	000038	D3C5	E240	DC	X'D3C5E240'				
P	00003C	0101	030C	DC	X'0101030C'				
P	000040	0000	000C	DC	X'0000000C'				
P	000044	D5E4	D440	DC	X'D5E4D440'				
P	000048	1600	0610	DC	X'16000610'				
P	00004C	0000	0000	DC	X'00000000'				
P	000050	D3C5	D5C7	DC	X'D3C5D5C7'				
P	000054	E3C8	4040	DC	X'E3C84040'				
	00000A	41E0	E00C	LA	14,12(,14)				
	00000E	50E0	D31C	ST	14,796(,13)				
	000012	47F0	D2FC	BC	15,764(,13)				
	000016			USING	*,14				
			LINE	0002					
C	00005C	0000		DC	X'0000'				
C	00005E	0016		DC	X'0016'				
			LINE	0003					
C	000060	0000		DC	X'0000'				
C	000062	0016		DC	X'0016'				
			LINE	0004					
C	000064	0000		DC	X'0000'				
C	000066	0016		DC	X'0016'				
			LINE	0005					
C	000068	0000		DC	X'0000'				
C	00006A	0016		DC	X'0016'				
			LINE	0006					
C	00006C	0000		DC	X'0000'				
C	00006E	0016		DC	X'0016'				
			LINE	0007					
C	000070	0000		DC	X'0000'				
C	000072	0016		DC	X'0016'				
			LINE	0008					
C	000074	0000		DC	X'0000'				
C	000076	0016		DC	X'0016'				
			LINE	0009					
C	000078	0000		DC	X'0000'				
C	00007A	0016		DC	X'0016'				
			LINE	0010					
C	00007C	0000		DC	X'0000'				
C	00007E	0016		DC	X'0016'				
			LINE	0011					
C	000080	0000		DC	X'0000'				
C	000082	0016		DC	X'0016'				
	000016	4140	0002	LA	4,2				
	00001A	5040	B00C	ST	4,12(,11)				
			LINE	0012					
C	000084	0000		DC	X'0000'				
C	000086	001E		DC	X'001E'				
	00001E	05E0		BALR	14,0				
	000020			USING	*,14				

000020	4140	0063	LA	4,99	
000024	5040	B008	ST	4,8(,11)	
000FF8	0000	0000	DC	X'00000000'	
000028	5850	EFD8	L	5,4056(,14)	
00002C	05E0		BALR	14,0	
00002E			USING	*,14	
00002E	4150	0001	LA	5,1	
000032	1B45		SR	4,5	
000034	47A0	E010	BC	10,16(,14)	
000FF4	0000	0000	DC	X'00000000'	
000038	58E0	EFC6	L	14,4038(,14)	
00003C	07FE		BCR	15,14	
000FF0	0000	0000	DC	X'00000000'	
00003E	58E0	EFC2	L	14,4034(,14)	FIXUPREF
000042	05FE		BALR	15,14	
000044			USING	*,14	
000FEC	FFFF	FFFF	DC	X'FFFFFFFF'	
000044	5840	EFA8	L	4,4008(,14)	
000048	5A40	B008	A	4,8(,11)	
00004C	5040	B008	ST	4,8(,11)	
000FE8	0000	0000	DC	X'00000000'	
000050	58E0	EFA4	L	14,4004(0,14)	
000054	07FE		BCR	15,14	
000056			USING	*,14	
000FE4	0000	0000	DC	X'00000000'	
000056	58E0	EF8E	L	14,3982(0,14)	FIXUPREF
00005A	07FE		BCR	15,14	
00005C			USING	*,14	
00005C	50F0	B010	ST	15,16(,11)	
C 000088	0000		LINE 0013	DC	X'0000'
C 00008A	0060			DC	X'0060'
C 00008C	0000		LINE 0014	DC	X'0000'
C 00008E	0060			DC	X'0060'
000060	4140	000A	LA	4,10	
000064	1B55		SR	5,5	
000066	5940	B008	C	4,8(,11)	
00006A	47C0	E016	BC	12,22(,14)	
00006E	4150	0001	LA	5,1	
000FE0	0000	0000	DC	X'00000000'	
000072	58E0	EF84	L	14,3972(,14)	
000076	1255		LTR	5,5	
000078	078E		BCR	8,14	
00007A	05E0		BALR	14,0	
00007C			USING	*,14	
00007C	4140	0001	LA	4,1	
000080	5040	B00C	ST	4,12(,11)	
000084	05E0		BALR	14,0	
000086			USING	*,14	
C 000090	0000		LINE 0015	DC	X'0000'
C 000092	0086			DC	X'0086'
000086	5820	B00C	L	2,12(,11)	
00008A	5800	B008	L	0,8(,11)	
00008E	5810	D1E0	L	1,480(,13)	
000092	58F0	EF56	L	15,3926(0,14)	ZYQOUTIN
000096	05EF		BALR	14,15	

000098			USING	*,14	
			LINE 0016		
C	000094	0000	DC	X'0000'	
C	000096	0098	DC	X'0098'	
P	000058	4082 96A3	DC	X'408296A3'	bot
P	00005C	A393 854D	DC	X'A393854D'	tle(
P	000060	A25D 4096	DC	X'A25D4096'	s) o
P	000064	8640 8285	DC	X'86408285'	f be
P	000068	8599 4096	DC	X'85994096'	er o
P	00006C	9540 A388	DC	X'9540A388'	n th
P	000070	8540 A681	DC	X'8540A681'	e wa
P	000074	9393 6B40	DC	X'93936B40'	ll,
	000FD8	0020 0001	DC	X'00200001'	
	000FD4	0000 0057	DC	X'00000057'	
	000FD0	0000 0000	DC	X'00000000'	
	000098	4120 EF38	LA	2,3896(,14)	
	00009C	5810 D1E0	L	1,480(,13)	
	0000A0	58F0 EF34	L	15,3892(0,14)	ZYQOUTTE
	0000A4	05EF	BALR	14,15	
	0000A6		USING	*,14	
			LINE 0017		
C	000098	0000	DC	X'0000'	
C	00009A	00A6	DC	X'00A6'	
	0000A6	5820 B00C	L	2,12(,11)	
	0000AA	5800 B008	L	0,8(,11)	
	0000AE	5810 D1E0	L	1,480(,13)	
	0000B2	58F0 EF36	L	15,3894(0,14)	ZYQOUTIN
	0000B6	05EF	BALR	14,15	
	0000B8		USING	*,14	
			LINE 0018		
C	00009C	0000	DC	X'0000'	
C	00009E	00B8	DC	X'00B8'	
P	000078	4082 96A3	DC	X'408296A3'	bot
P	00007C	A393 854D	DC	X'A393854D'	tle(
P	000080	A25D 4096	DC	X'A25D4096'	s) o
P	000084	8640 8285	DC	X'86408285'	f be
P	000088	8599 0000	DC	X'85990000'	er
	000FC8	0012 0001	DC	X'00120001'	
	000FC4	0000 0077	DC	X'00000077'	
	000FC0	0000 0000	DC	X'00000000'	
	0000B8	4120 EF08	LA	2,3848(,14)	
	0000BC	5810 D1E0	L	1,480(,13)	
	0000C0	58F0 EF14	L	15,3860(0,14)	ZYQOUTTE
	0000C4	05EF	BALR	14,15	
	0000C6		USING	*,14	
			LINE 0019		
C	0000A0	0000	DC	X'0000'	
C	0000A2	00C6	DC	X'00C6'	
	0000C6	5810 D1E0	L	1,480(,13)	
	0000CA	58F0 1000	L	15,0(0,1)	
	0000CE	58F0 F118	L	15,280(0,15)	
	0000D2	05EF	BALR	14,15	OUTIMAGE
	0000D4		USING	*,14	
			LINE 0020		
C	0000A4	0000	DC	X'0000'	
C	0000A6	00D4	DC	X'00D4'	
P	00008C	E381 9285	DC	X'E3819285'	Take
P	000090	4096 9585	DC	X'40969585'	one

P 000094	4084	96A6	DC	X'408496A6'	dow
P 000098	956B	4097	DC	X'956B4097'	n, p
P 00009C	81A2	A240	DC	X'81A2A240'	ass
P 0000A0	89A3	4081	DC	X'89A34081'	it a
P 0000A4	9996	A495	DC	X'9996A495'	roun
P 0000A8	846B	4000	DC	X'846B4000'	d,
000FBC	001F	0001	DC	X'001F0001'	
000FB8	0000	008B	DC	X'0000008B'	
000FB4	0000	0000	DC	X'00000000'	
0000D4	4120	EEE0	LA	2,3808(,14)	
0000D8	5810	D1E0	L	1,480(,13)	
0000DC	58F0	EEF8	L	15,3832(0,14)	ZYQOUTTE
0000E0	05EF		BALR	14,15	
0000E2			USING	*,14	
		LINE 0021			
C 0000A8	0000		DC	X'0000'	
C 0000AA	00E2		DC	X'00E2'	
0000E2	4140	0001	LA	4,1	
0000E6	5850	B008	L	5,8(,11)	
0000EA	1B54		SR	5,4	
0000EC	5820	B00C	L	2,12(,11)	
0000F0	1805		LR	0,5	
0000F2	5810	D1E0	L	1,480(,13)	
0000F6	58F0	EEFA	L	15,3834(0,14)	ZYQOUTIN
0000FA	05EF		BALR	14,15	
0000FC			USING	*,14	
		LINE 0022			
C 0000AC	0000		DC	X'0000'	
C 0000AE	00FC		DC	X'00FC'	
P 0000AC	4082	96A3	DC	X'408296A3'	bot
P 0000B0	A393	854D	DC	X'A393854D'	tle(
P 0000B4	A25D	4096	DC	X'A25D4096'	s) o
P 0000B8	8640	8285	DC	X'86408285'	f be
P 0000BC	8599	4096	DC	X'85994096'	er o
P 0000C0	9540	A388	DC	X'9540A388'	n th
P 0000C4	8540	A681	DC	X'8540A681'	e wa
P 0000C8	9393	4B40	DC	X'93934B40'	ll.
000FB0	0020	0001	DC	X'00200001'	
000FAC	0000	00AB	DC	X'000000AB'	
000FA8	0000	0000	DC	X'00000000'	
0000FC	4120	EEAC	LA	2,3756(,14)	
000100	5810	D1E0	L	1,480(,13)	
000104	58F0	EED0	L	15,3792(0,14)	ZYQOUTTE
000108	05EF		BALR	14,15	
00010A			USING	*,14	
		LINE 0023			
C 0000B0	0000		DC	X'0000'	
C 0000B2	010A		DC	X'010A'	
00010A	5810	D1E0	L	1,480(,13)	
00010E	58F0	1000	L	15,0(0,1)	
000112	58F0	F118	L	15,280(0,15)	
000116	05EF		BALR	14,15	OUTIMAGE
000118			USING	*,14	
		LINE 0024			
C 0000B4	0000		DC	X'0000'	
C 0000B6	0118		DC	X'0118'	
000118	5810	D1E0	L	1,480(,13)	
00011C	58F0	1000	L	15,0(0,1)	

000120	58F0	F118	L	15,280(0,15)	
000124	05EF		BALR	14,15	OUTIMAGE
000126			USING	*,14	
		LINE	0025		
C 0000B8	0000		DC	X'0000'	
C 0000BA	0126		DC	X'0126'	
000126	58E0	B010	L	14,16(,11)	
00012A	07FE		BCR	15,14	
00012C			USING	*,14	
		LINE	0026		
C 0000BC	0000		DC	X'0000'	
C 0000BE	012C		DC	X'012C'	
P 0000CC	F140	8296	DC	X'F1408296'	1 bo
P 0000D0	A3A3	9385	DC	X'A3A39385'	ttle
P 0000D4	4096	8640	DC	X'40968640'	of
P 0000D8	8285	8599	DC	X'82858599'	beer
P 0000DC	4096	9540	DC	X'40969540'	on
P 0000E0	A388	8540	DC	X'A3888540'	the
P 0000E4	A681	9393	DC	X'A6819393'	wall
P 0000E8	6B40	9695	DC	X'6B409695'	, on
P 0000EC	8540	8296	DC	X'85408296'	e bo
P 0000F0	A3A3	9385	DC	X'A3A39385'	ttle
P 0000F4	4096	8640	DC	X'40968640'	of
P 0000F8	8285	8599	DC	X'82858599'	beer
P 0000FC	4B00	0000	DC	X'4B000000'	.
000FA4	0031	0001	DC	X'00310001'	
000FA0	0000	00CB	DC	X'000000CB'	
000F9C	0000	0000	DC	X'00000000'	
00012C	4120	EE70	LA	2,3696(,14)	
000130	5810	D1E0	L	1,480(,13)	
000134	58F0	EEA0	L	15,3744(0,14)	ZYQOUTTE
000138	05EF		BALR	14,15	
00013A			USING	*,14	
		LINE	0027		
C 0000C0	0000		DC	X'0000'	
C 0000C2	013A		DC	X'013A'	
00013A	5810	D1E0	L	1,480(,13)	
00013E	58F0	1000	L	15,0(0,1)	
000142	58F0	F118	L	15,280(0,15)	
000146	05EF		BALR	14,15	OUTIMAGE
000148			USING	*,14	
		LINE	0028		
C 0000C4	0000		DC	X'0000'	
C 0000C6	0148		DC	X'0148'	
P 000100	E381	9285	DC	X'E3819285'	Take
P 000104	4096	9585	DC	X'40969585'	one
P 000108	4084	96A6	DC	X'408496A6'	dow
P 00010C	956B	4097	DC	X'956B4097'	n, p
P 000110	81A2	A240	DC	X'81A2A240'	ass
P 000114	89A3	4081	DC	X'89A34081'	it a
P 000118	9996	A495	DC	X'9996A495'	roun
P 00011C	846B	4000	DC	X'846B4000'	d,
000F98	001F	0001	DC	X'001F0001'	
000F94	0000	00FF	DC	X'000000FF'	
000F90	0000	0000	DC	X'00000000'	
000148	4120	EE48	LA	2,3656(,14)	
00014C	5810	D1E0	L	1,480(,13)	
000150	58F0	EE84	L	15,3716(0,14)	ZYQOUTTE

000154 05EF	BALR	14,15	
000156	USING	*,14	
	LINE 0029		
C 0000C8 0000	DC	X'0000'	
C 0000CA 0156	DC	X'0156'	
P 000120 9596 4094	DC	X'95964094'	no m
P 000124 9699 8540	DC	X'96998540'	ore
P 000128 8296 A3A3	DC	X'8296A3A3'	bott
P 00012C 9385 A240	DC	X'9385A240'	les
P 000130 9686 4082	DC	X'96864082'	of b
P 000134 8585 9940	DC	X'85859940'	eer
P 000138 9695 40A3	DC	X'969540A3'	on t
P 00013C 8885 40A6	DC	X'888540A6'	he w
P 000140 8193 9300	DC	X'81939300'	all
000F8C 0023 0001	DC	X'00230001'	
000F88 0000 011F	DC	X'0000011F'	
000F84 0000 0000	DC	X'00000000'	
000156 4120 EE2E	LA	2,3630(,14)	
00015A 5810 D1E0	L	1,480(,13)	
00015E 58F0 EE76	L	15,3702(0,14)	ZYQOUTTE
000162 05EF	BALR	14,15	
000164	USING	*,14	
	LINE 0030		
C 0000CC 0000	DC	X'0000'	
C 0000CE 0164	DC	X'0164'	
000164 5810 D1E0	L	1,480(,13)	
000168 58F0 1000	L	15,0(0,1)	
00016C 58F0 F118	L	15,280(0,15)	
000170 05EF	BALR	14,15	OUTIMAGE
000172	USING	*,14	
	LINE 0031		
C 0000D0 0000	DC	X'0000'	
C 0000D2 0172	DC	X'0172'	
000172 45E0 D214	BAL	14,532(,13)	EBL
000176	USING	*,14	
	LINE 0032		
C 0000D4 0000	DC	X'0000'	
C 0000D6 0176	DC	X'0176'	
000176 58F0 EE0A	L	15,3594(,14)	ZYQTERM
00017A 05EF	BALR	14,15	
P 000144 FFFF FFFF	DC	X'FFFFFFFF'	

NO DIAGNOSTICS FOR THIS COMPILATION.

VS LOADER

```
OPTIONS USED - PRINT, MAP, NOLET, CALL, RES, NOTERM, SIZE=307200, NAME=* *G0
              EP=ZYQENT
```

NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR	NAME	TYPE	ADDR
ZYQMAIN	SD	9C010	\$PRIVATE	PC	9C218	ZYQCNT	SD	9C360	ZYQDEBUG*	SD	9C438	ZYQOUTIN*	SD	9D430
ZYQOUTTE*	SD	9D458	ZYQTERM*	SD	9D4E8	ZYQDFTRC*	SD	9D948	ZYQDBGDT*	SD	9E180	ZYQENT*	SD	9EC78
ZYQBSC*	LR	9ECC0	ZYQOPEN*	LR	9ED54	ZYQCLOSE*	LR	9EE6E	ZYQPRINT*	LR	9F048	ZYQINFIL*	LR	9F124
ZYQIFEX*	LR	9F2B0	ZYQRESET*	LR	9F372	ZYQSYN*	LR	9F4CC	ZYQPAGE*	LR	9F584	ZYQWRITE*	LR	9F58A
ZYQFILE*	LR	9F69C	ZYQSTCNT*	LR	9F7C8	ZYQFSA*	LR	9F8F8	ZYQARRAY*	SD	A0788	ZYQPUTIN*	SD	A09F8
ZYQLNO*	SD	A0C20	ZYQLNMAP*	LR	A0C30	ZYQPUTFI*	SD	A0E30	ZYQPUTRE*	SD	A1150	ZYQSTRIP*	SD	A1488
ZYQTERMS*	SD	A14E8	ZYQOPROC*	LR	A14F0	ZYQOCLAS*	LR	A1550	ZYQOCODE*	LR	A159C	ZYQOUTBL*	SD	A1938
ZYQOUTOC*	SD	A1E70	ZYQOUTSQ*	SD	A1FE0	ZYQOUTPO*	SD	A22F8	ZYQLASTI*	SD	A2400	ZYQLASTR*	LR	A24C8
ZYQFIELD*	LR	A24DC	ZYQCTAB*	LR	A2580	ZYQCOM*	SD	A2688	ZYQSNAP*	SD	A34D0	ZYQRTSCM*	SD	A3500
ZYQACC*	SD	A4140	ZYQREFER*	SD	A4148	ZYQTRACD*	SD	A45F0	ZYQINIT*	SD	A4BE0	ZYQDATE*	LR	A4BFC
ZYQOUTIM*	SD	A5770	ZYQOUTFI*	LR	A589C	ZYQERR*	SD	A5A18	ZYQERRDP*	LR	A5A2E	ZYQECB*	SD	A6620
ZYQBC*	SD	A6710	ZYQTRACE*	SD	A67A0	ZYQATTN*	SD	A75C8	ZYQSTORE*	SD	A76F0	ZYQENTVI*	SD	A85D8
ZYQTXTCM*	SD	A8BA0	ZYQLNODT*	SD	A8C38	ZYQPRD*	SD	A8C88	ZYQSCALE*	SD	A8D20	ZYQOUTAR*	SD	A8DE0
ZYQOUTVI*	SD	A92E0	ZYQODDNM*	SD	A9568	ZYQOUTIO*	SD	A95D8	ZYQSTCDA*	SD	A9740	ZYQDUMP*	SD	A9868
ZYQLDIG*	SD	A9BE8	ZYQDEFLT*	SD	A9CF0	ZYQTIMEX*	SD	A9D50	ZYQMVCL*	SD	A9DC0	ZYQUSERX*	SD	A9E28
ZYQCOMUN*	SD	A9E30	ZYQERREX*	SD	A9EC8	ZYQFORT*	SD	A9F00	ZYQGETIN*	SD	AA208	ZYQGETRE*	SD	AA338
ZYQMAPTR*	SD	AA5D8	ZYQMAP*	SD	AA768	ZYQGC6*	SD	AABF0	ZYQEVD*	SD	AAE30	ZYQCOPY*	SD	AAE90
ZYQTSPIE*	SD	AAF58	ZYQTVASS*	SD	AAF80									
TOTAL LENGTH		F030												
ENTRY ADDRESS		9EC78												

```
ZYQ994 SIMULA 67 RUN TIME SYSTEM : VERSION 12.00, DATE OF RELEASE  9 AUG 1985
ZYQ994 SIMULA PROGRAM COMPILED ON 30 NOV 2025 AT 11:19:53.40, START OF EXECUTION ON 30 NOV 1925 AT 11:19:53.40
ZYQ994 PROCESSING OPTIONS : DUMP=5,HIARCHY=0,LINECNT=60,SIZE=745472,TRACE=0,SYMBDUMP=6
```

99 bottle(s) of beer on the wall, 99 bottle(s) of beer
Take one down, pass it around, 98 bottle(s) of beer on the wall.

98 bottle(s) of beer on the wall, 98 bottle(s) of beer
Take one down, pass it around, 97 bottle(s) of beer on the wall.

97 bottle(s) of beer on the wall, 97 bottle(s) of beer
Take one down, pass it around, 96 bottle(s) of beer on the wall.

96 bottle(s) of beer on the wall, 96 bottle(s) of beer
Take one down, pass it around, 95 bottle(s) of beer on the wall.

95 bottle(s) of beer on the wall, 95 bottle(s) of beer
Take one down, pass it around, 94 bottle(s) of beer on the wall.

94 bottle(s) of beer on the wall, 94 bottle(s) of beer
Take one down, pass it around, 93 bottle(s) of beer on the wall.

93 bottle(s) of beer on the wall, 93 bottle(s) of beer
Take one down, pass it around, 92 bottle(s) of beer on the wall.

92 bottle(s) of beer on the wall, 92 bottle(s) of beer
Take one down, pass it around, 91 bottle(s) of beer on the wall.

91 bottle(s) of beer on the wall, 91 bottle(s) of beer
Take one down, pass it around, 90 bottle(s) of beer on the wall.

90 bottle(s) of beer on the wall, 90 bottle(s) of beer
Take one down, pass it around, 89 bottle(s) of beer on the wall.

89 bottle(s) of beer on the wall, 89 bottle(s) of beer
Take one down, pass it around, 88 bottle(s) of beer on the wall.

88 bottle(s) of beer on the wall, 88 bottle(s) of beer
Take one down, pass it around, 87 bottle(s) of beer on the wall.

87 bottle(s) of beer on the wall, 87 bottle(s) of beer
Take one down, pass it around, 86 bottle(s) of beer on the wall.

86 bottle(s) of beer on the wall, 86 bottle(s) of beer
Take one down, pass it around, 85 bottle(s) of beer on the wall.

85 bottle(s) of beer on the wall, 85 bottle(s) of beer
Take one down, pass it around, 84 bottle(s) of beer on the wall.

84 bottle(s) of beer on the wall, 84 bottle(s) of beer
Take one down, pass it around, 83 bottle(s) of beer on the wall.

83 bottle(s) of beer on the wall, 83 bottle(s) of beer
Take one down, pass it around, 82 bottle(s) of beer on the wall.

82 bottle(s) of beer on the wall, 82 bottle(s) of beer
Take one down, pass it around, 81 bottle(s) of beer on the wall.

81 bottle(s) of beer on the wall, 81 bottle(s) of beer
Take one down, pass it around, 80 bottle(s) of beer on the wall.

80 bottle(s) of beer on the wall, 80 bottle(s) of beer
Take one down, pass it around, 79 bottle(s) of beer on the wall.

79 bottle(s) of beer on the wall, 79 bottle(s) of beer
Take one down, pass it around, 78 bottle(s) of beer on the wall.

78 bottle(s) of beer on the wall, 78 bottle(s) of beer
Take one down, pass it around, 77 bottle(s) of beer on the wall.

77 bottle(s) of beer on the wall, 77 bottle(s) of beer
Take one down, pass it around, 76 bottle(s) of beer on the wall.

76 bottle(s) of beer on the wall, 76 bottle(s) of beer
Take one down, pass it around, 75 bottle(s) of beer on the wall.

75 bottle(s) of beer on the wall, 75 bottle(s) of beer
Take one down, pass it around, 74 bottle(s) of beer on the wall.

74 bottle(s) of beer on the wall, 74 bottle(s) of beer
Take one down, pass it around, 73 bottle(s) of beer on the wall.

73 bottle(s) of beer on the wall, 73 bottle(s) of beer
Take one down, pass it around, 72 bottle(s) of beer on the wall.

72 bottle(s) of beer on the wall, 72 bottle(s) of beer
Take one down, pass it around, 71 bottle(s) of beer on the wall.

71 bottle(s) of beer on the wall, 71 bottle(s) of beer
Take one down, pass it around, 70 bottle(s) of beer on the wall.

70 bottle(s) of beer on the wall, 70 bottle(s) of beer
Take one down, pass it around, 69 bottle(s) of beer on the wall.

69 bottle(s) of beer on the wall, 69 bottle(s) of beer
Take one down, pass it around, 68 bottle(s) of beer on the wall.

68 bottle(s) of beer on the wall, 68 bottle(s) of beer
Take one down, pass it around, 67 bottle(s) of beer on the wall.

67 bottle(s) of beer on the wall, 67 bottle(s) of beer
Take one down, pass it around, 66 bottle(s) of beer on the wall.

66 bottle(s) of beer on the wall, 66 bottle(s) of beer
Take one down, pass it around, 65 bottle(s) of beer on the wall.

65 bottle(s) of beer on the wall, 65 bottle(s) of beer
Take one down, pass it around, 64 bottle(s) of beer on the wall.

64 bottle(s) of beer on the wall, 64 bottle(s) of beer
Take one down, pass it around, 63 bottle(s) of beer on the wall.

63 bottle(s) of beer on the wall, 63 bottle(s) of beer
Take one down, pass it around, 62 bottle(s) of beer on the wall.

62 bottle(s) of beer on the wall, 62 bottle(s) of beer
Take one down, pass it around, 61 bottle(s) of beer on the wall.

61 bottle(s) of beer on the wall, 61 bottle(s) of beer
Take one down, pass it around, 60 bottle(s) of beer on the wall.

60 bottle(s) of beer on the wall, 60 bottle(s) of beer
Take one down, pass it around, 59 bottle(s) of beer on the wall.

59 bottle(s) of beer on the wall, 59 bottle(s) of beer
Take one down, pass it around, 58 bottle(s) of beer on the wall.

58 bottle(s) of beer on the wall, 58 bottle(s) of beer
Take one down, pass it around, 57 bottle(s) of beer on the wall.

57 bottle(s) of beer on the wall, 57 bottle(s) of beer
Take one down, pass it around, 56 bottle(s) of beer on the wall.

56 bottle(s) of beer on the wall, 56 bottle(s) of beer
Take one down, pass it around, 55 bottle(s) of beer on the wall.

55 bottle(s) of beer on the wall, 55 bottle(s) of beer
Take one down, pass it around, 54 bottle(s) of beer on the wall.

54 bottle(s) of beer on the wall, 54 bottle(s) of beer
Take one down, pass it around, 53 bottle(s) of beer on the wall.

53 bottle(s) of beer on the wall, 53 bottle(s) of beer
Take one down, pass it around, 52 bottle(s) of beer on the wall.

52 bottle(s) of beer on the wall, 52 bottle(s) of beer
Take one down, pass it around, 51 bottle(s) of beer on the wall.

51 bottle(s) of beer on the wall, 51 bottle(s) of beer
Take one down, pass it around, 50 bottle(s) of beer on the wall.

50 bottle(s) of beer on the wall, 50 bottle(s) of beer
Take one down, pass it around, 49 bottle(s) of beer on the wall.

49 bottle(s) of beer on the wall, 49 bottle(s) of beer
Take one down, pass it around, 48 bottle(s) of beer on the wall.

48 bottle(s) of beer on the wall, 48 bottle(s) of beer
Take one down, pass it around, 47 bottle(s) of beer on the wall.

47 bottle(s) of beer on the wall, 47 bottle(s) of beer
Take one down, pass it around, 46 bottle(s) of beer on the wall.

46 bottle(s) of beer on the wall, 46 bottle(s) of beer
Take one down, pass it around, 45 bottle(s) of beer on the wall.

45 bottle(s) of beer on the wall, 45 bottle(s) of beer
Take one down, pass it around, 44 bottle(s) of beer on the wall.

44 bottle(s) of beer on the wall, 44 bottle(s) of beer
Take one down, pass it around, 43 bottle(s) of beer on the wall.

43 bottle(s) of beer on the wall, 43 bottle(s) of beer
Take one down, pass it around, 42 bottle(s) of beer on the wall.

42 bottle(s) of beer on the wall, 42 bottle(s) of beer
Take one down, pass it around, 41 bottle(s) of beer on the wall.

41 bottle(s) of beer on the wall, 41 bottle(s) of beer
Take one down, pass it around, 40 bottle(s) of beer on the wall.

40 bottle(s) of beer on the wall, 40 bottle(s) of beer
Take one down, pass it around, 39 bottle(s) of beer on the wall.

39 bottle(s) of beer on the wall, 39 bottle(s) of beer
Take one down, pass it around, 38 bottle(s) of beer on the wall.

38 bottle(s) of beer on the wall, 38 bottle(s) of beer
Take one down, pass it around, 37 bottle(s) of beer on the wall.

37 bottle(s) of beer on the wall, 37 bottle(s) of beer
Take one down, pass it around, 36 bottle(s) of beer on the wall.

36 bottle(s) of beer on the wall, 36 bottle(s) of beer
Take one down, pass it around, 35 bottle(s) of beer on the wall.

35 bottle(s) of beer on the wall, 35 bottle(s) of beer
Take one down, pass it around, 34 bottle(s) of beer on the wall.

34 bottle(s) of beer on the wall, 34 bottle(s) of beer
Take one down, pass it around, 33 bottle(s) of beer on the wall.

33 bottle(s) of beer on the wall, 33 bottle(s) of beer
Take one down, pass it around, 32 bottle(s) of beer on the wall.

32 bottle(s) of beer on the wall, 32 bottle(s) of beer
Take one down, pass it around, 31 bottle(s) of beer on the wall.

31 bottle(s) of beer on the wall, 31 bottle(s) of beer
Take one down, pass it around, 30 bottle(s) of beer on the wall.

30 bottle(s) of beer on the wall, 30 bottle(s) of beer
Take one down, pass it around, 29 bottle(s) of beer on the wall.

29 bottle(s) of beer on the wall, 29 bottle(s) of beer
Take one down, pass it around, 28 bottle(s) of beer on the wall.

28 bottle(s) of beer on the wall, 28 bottle(s) of beer
Take one down, pass it around, 27 bottle(s) of beer on the wall.

27 bottle(s) of beer on the wall, 27 bottle(s) of beer
Take one down, pass it around, 26 bottle(s) of beer on the wall.

26 bottle(s) of beer on the wall, 26 bottle(s) of beer
Take one down, pass it around, 25 bottle(s) of beer on the wall.

25 bottle(s) of beer on the wall, 25 bottle(s) of beer
Take one down, pass it around, 24 bottle(s) of beer on the wall.

24 bottle(s) of beer on the wall, 24 bottle(s) of beer
Take one down, pass it around, 23 bottle(s) of beer on the wall.

23 bottle(s) of beer on the wall, 23 bottle(s) of beer
Take one down, pass it around, 22 bottle(s) of beer on the wall.

22 bottle(s) of beer on the wall, 22 bottle(s) of beer
Take one down, pass it around, 21 bottle(s) of beer on the wall.

21 bottle(s) of beer on the wall, 21 bottle(s) of beer
Take one down, pass it around, 20 bottle(s) of beer on the wall.

20 bottle(s) of beer on the wall, 20 bottle(s) of beer
Take one down, pass it around, 19 bottle(s) of beer on the wall.

19 bottle(s) of beer on the wall, 19 bottle(s) of beer
Take one down, pass it around, 18 bottle(s) of beer on the wall.

18 bottle(s) of beer on the wall, 18 bottle(s) of beer
Take one down, pass it around, 17 bottle(s) of beer on the wall.

17 bottle(s) of beer on the wall, 17 bottle(s) of beer
Take one down, pass it around, 16 bottle(s) of beer on the wall.

16 bottle(s) of beer on the wall, 16 bottle(s) of beer
Take one down, pass it around, 15 bottle(s) of beer on the wall.

15 bottle(s) of beer on the wall, 15 bottle(s) of beer
Take one down, pass it around, 14 bottle(s) of beer on the wall.

14 bottle(s) of beer on the wall, 14 bottle(s) of beer
Take one down, pass it around, 13 bottle(s) of beer on the wall.

13 bottle(s) of beer on the wall, 13 bottle(s) of beer
Take one down, pass it around, 12 bottle(s) of beer on the wall.

12 bottle(s) of beer on the wall, 12 bottle(s) of beer
Take one down, pass it around, 11 bottle(s) of beer on the wall.

11 bottle(s) of beer on the wall, 11 bottle(s) of beer
Take one down, pass it around, 10 bottle(s) of beer on the wall.

10 bottle(s) of beer on the wall, 10 bottle(s) of beer
Take one down, pass it around, 9 bottle(s) of beer on the wall.

9 bottle(s) of beer on the wall, 9 bottle(s) of beer
Take one down, pass it around, 8 bottle(s) of beer on the wall.

8 bottle(s) of beer on the wall, 8 bottle(s) of beer
Take one down, pass it around, 7 bottle(s) of beer on the wall.

7 bottle(s) of beer on the wall, 7 bottle(s) of beer
Take one down, pass it around, 6 bottle(s) of beer on the wall.

6 bottle(s) of beer on the wall, 6 bottle(s) of beer
Take one down, pass it around, 5 bottle(s) of beer on the wall.

5 bottle(s) of beer on the wall, 5 bottle(s) of beer
Take one down, pass it around, 4 bottle(s) of beer on the wall.

4 bottle(s) of beer on the wall, 4 bottle(s) of beer
Take one down, pass it around, 3 bottle(s) of beer on the wall.

3 bottle(s) of beer on the wall, 3 bottle(s) of beer
Take one down, pass it around, 2 bottle(s) of beer on the wall.

2 bottle(s) of beer on the wall, 2 bottle(s) of beer
Take one down, pass it around, 1 bottle(s) of beer on the wall.

1 bottle(s) of beer on the wall, 1 bottle(s) of beer
Take one down, pass it around, 0 bottle(s) of beer on the wall.

1 bottle of beer on the wall, one bottle of beer.
Take one down, pass it around, no more bottles of beer on the wall

ZYQ994 END OF SIMULA PROGRAM EXECUTION AT 11:19:53.14 EXECUTION TIME 0.00 SEC. RETURN CODE IS #00000000
ZYQ994 00000 STORECOLLAPSES, DATA STORAGE USED : 512 BYTES

DYNAMIC PROFILE OF THE PROGRAM EXECUTION

USER GENERATED DATA STRUCTURES:

BLOCK SUMMARY					
BLOCK PATTERN	LINE	TOTAL	SIZE	%	

SUB-BLOCK	0001	1	24	5	

TOTAL NUMBER OF BLOCK INSTANCES:		1	-	5	
TOTAL NUMBER OF TEXT OBJECTS :		2	-	50	
TOTAL NUMBER OF ARRAY OBJECTS :		0	-	0	

THE LINE NUMBERS CORRESPOND TO THE SOURCE COMPILED ON 30 NOV 2025 AT 11:19:53.40