

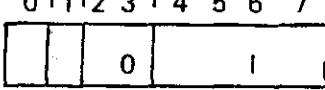
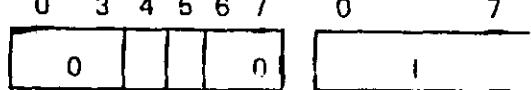
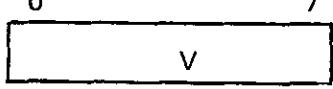
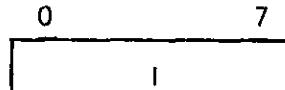
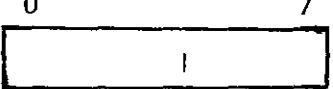
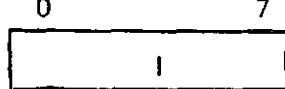
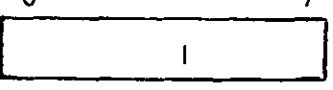
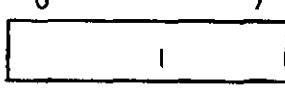
## APPENDIX H : OBJECT CODE FORMAT

When ADRMOD = 2 is specified in the OPTNS directive, the data-item, data-set, formal parameter, literal, picture, keytable and format references are extended with one byte. The layout of the object code is then different from the one-byte representation.

		OBJECT CODE FORMAT							
REFERENCE TYPE		ADRMOD = 1				ADRMOD = 2			
		0	3	4	7	0	3	4	7
Data-Item or ARRAY		b		I		0	b		I
ARRAY used in PERF/PLIST parameter list		b		I		1	b		I
Boolean data item		b		I		9	b		I
<p>b is the workblock index, ranging from X'1' to X'F'</p> <p>I is the data item index, ranging from X'0' to X'F'</p> <p>( ADRMOD = 1 ) or from X'00' to X'FF' ( ADRMOD = 2 ).</p> <p>For boolean data items I is in the range from X'0' to X'F' in both addressing modes.</p>									
LITERAL constant		0		7		0	3	4	7
		I				4	I0-3		I4-11
<p>I is the literal index, ranging from X'10' to X'FF' ( ADRMOD = 1 ) or from X'100' to X'FFF' ( ADRMOD = 2 ).</p>									

CREDIT REFERENCE MANUAL

OBJECT CODE FORMAT																										
REFERENCE TYPE	ADRMOD=1	ADRMOD=2																								
Key table	<table border="1"> <tr> <td>0</td> <td>1</td> <td>7</td> </tr> </table>	0	1	7	<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>7</td> <td>0</td> <td>7</td> </tr> <tr> <td>6</td> <td>10-3</td> <td colspan="3">14-11</td> </tr> </table>	0	3	4	7	0	7	6	10-3	14-11												
0	1	7																								
0	3	4	7	0	7																					
6	10-3	14-11																								
	<p>I is the key table index, ranging from X'10' to X'FFF' ( ADRMOD=1 ) or from X'100' to X'FFF' ( ADRMOD=2 ).</p>																									
Picture	<table border="1"> <tr> <td>0</td> <td>1</td> <td>7</td> </tr> </table>	0	1	7	<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>7</td> <td>0</td> <td>7</td> </tr> <tr> <td>5</td> <td>10-2</td> <td colspan="3">14-11</td> </tr> </table>	0	3	4	7	0	7	5	10-2	14-11												
0	1	7																								
0	3	4	7	0	7																					
5	10-2	14-11																								
	<p>I is the picture index, ranging from X'10' to X'FFF' ( ADRMOD=1 ) or from X'100' to X'FFF' ( ADRMOD=2 ).</p>																									
Format list	<table border="1"> <tr> <td>0</td> <td>1</td> <td>7</td> </tr> </table>	0	1	7	<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>7</td> <td>0</td> <td>7</td> </tr> <tr> <td>7</td> <td>10-3</td> <td colspan="3">14-11</td> </tr> </table>	0	3	4	7	0	7	7	10-3	14-11												
0	1	7																								
0	3	4	7	0	7																					
7	10-3	14-11																								
	<p>I is the format list index, ranging from X'10' to X'FFF' ( ADRMOD=1 ) or from X'100' to X'FFF' ( ADRMOD=2 ).</p>																									
Data set	<table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>7</td> </tr> </table>	0	1	2	3	4	7	<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>0</td> <td>7</td> </tr> <tr> <td>8</td> <td></td> <td></td> <td>10-1</td> <td colspan="3">12-9</td> </tr> </table>	0	3	4	5	6	7	0	7	8			10-1	12-9					
0	1	2	3	4	7																					
0	3	4	5	6	7	0	7																			
8			10-1	12-9																						
	<p>I is the data set index, ranging from X'10' to X'3F' ( ADRMOD=1 ) or from X'10' to X'3FF' ( ADRMOD=2 ). Bits 0/1 or 4/5 are used for transfer of the wait bit and echo/exclusive access bit.</p>																									
Formal parameter ( except for data sets )	<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>0</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	0	3	4	5	6	7	0	1					<table border="1"> <tr> <td>0</td> <td>3</td> <td>4</td> <td>7</td> <td>0</td> <td>7</td> </tr> <tr> <td>0</td> <td>0</td> <td></td> <td></td> <td>1</td> <td></td> </tr> </table>	0	3	4	7	0	7	0	0			1	
0	3	4	5	6	7																					
0	1																									
0	3	4	7	0	7																					
0	0			1																						
	<p>I is the position number of the formal parameter ranging from X'0' to X'7' for both addressing modes</p>																									

OBJECT CODE FORMAT			
REFERENCE TYPE	ADRMOD = 1	ADRMOD = 2	
Formal parameter ( data sets )	0   1   2   3   4   5   6   7 	0   3   4   5   6   7   0   7 	
	I is the position number of the formal parameter, ranging from X'0' to X'7' for both addressing modes. Bits 0/1 or 4/5 are used for transfer of the wait and echo/exclusive access bits.		
Immediate values ( e.g. list length)	0   V   7 	V is a value ranging from X'00' to X'FF' ( ADRMOD = 1 )	
Subroutine in PERF	0   I   7 	0   I   7 	
Subroutine in CALL	0   I   7 	0   I   7 	
Branch in branch instructions	0   I   7 	0   I   7 	
	I is the index into the proper address table for performs, calls or branches.		
:FMTITEM	X'0C'	X'000C'	

