

RACF Level 2 As



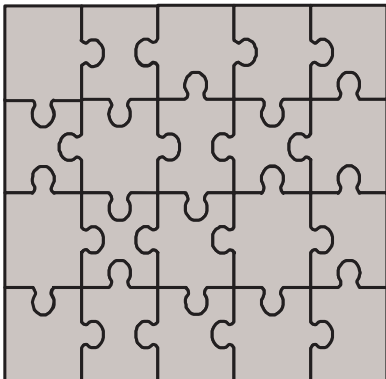
SES ES

2s

s2

se 2s s2s s2

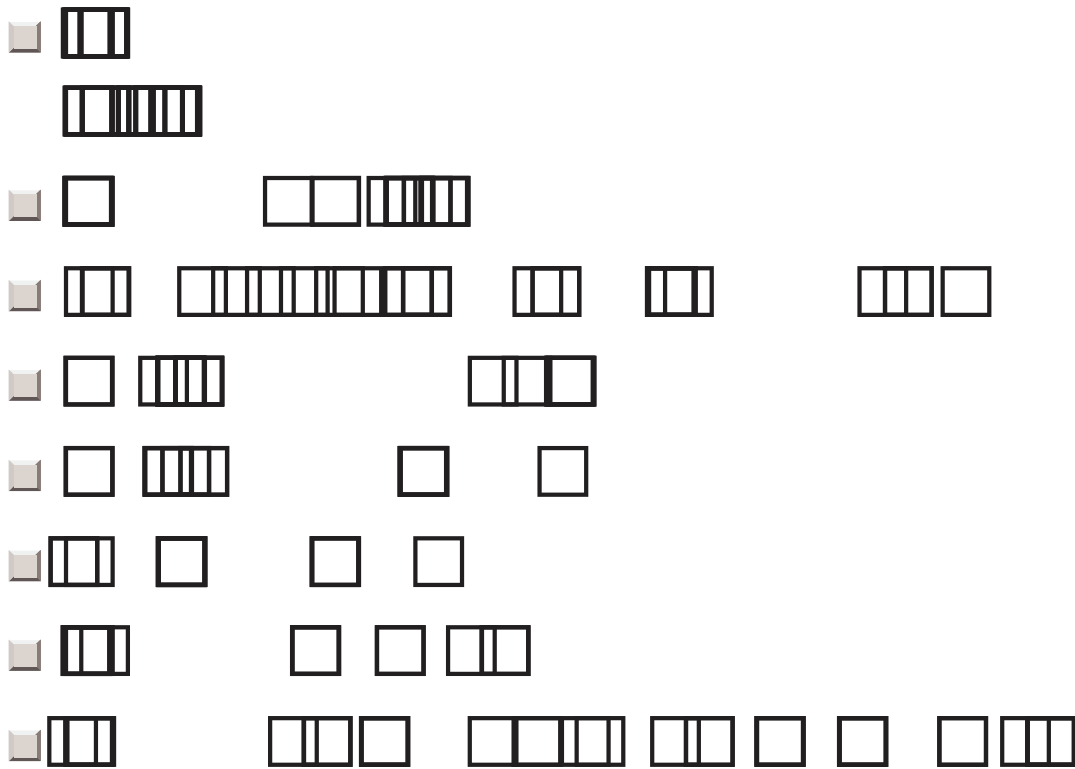
As es Cbs ss



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Aes



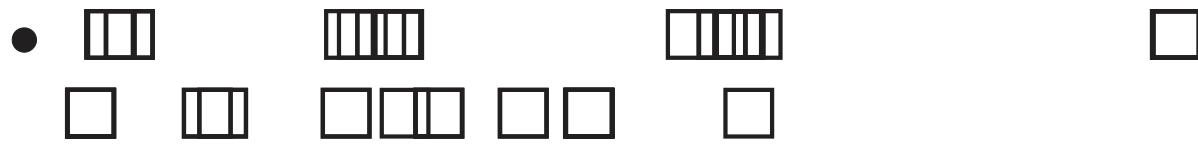
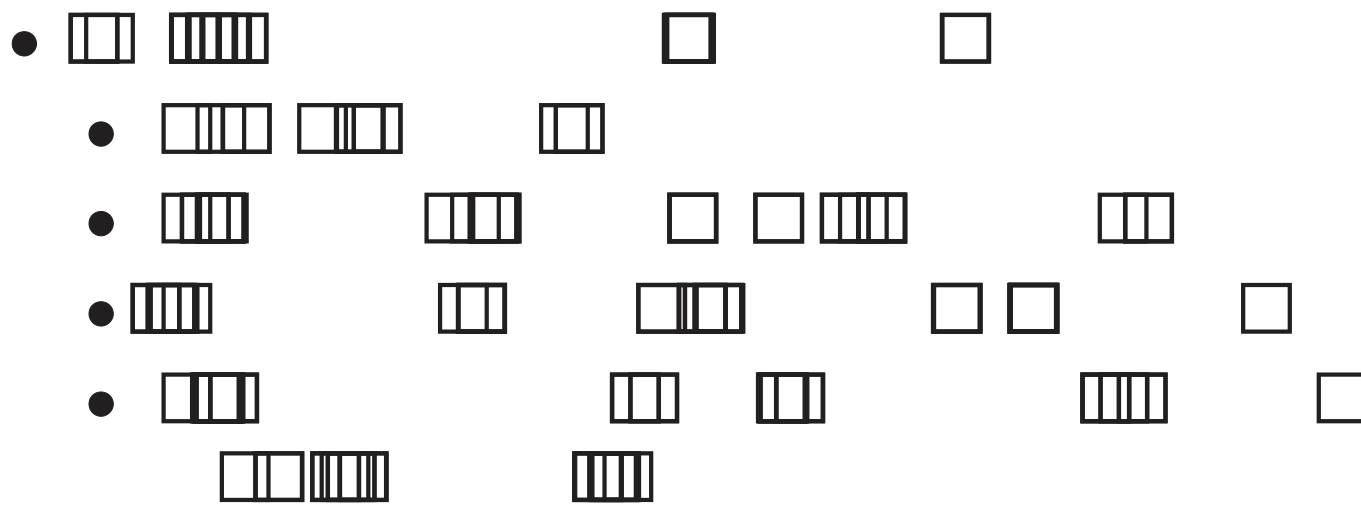
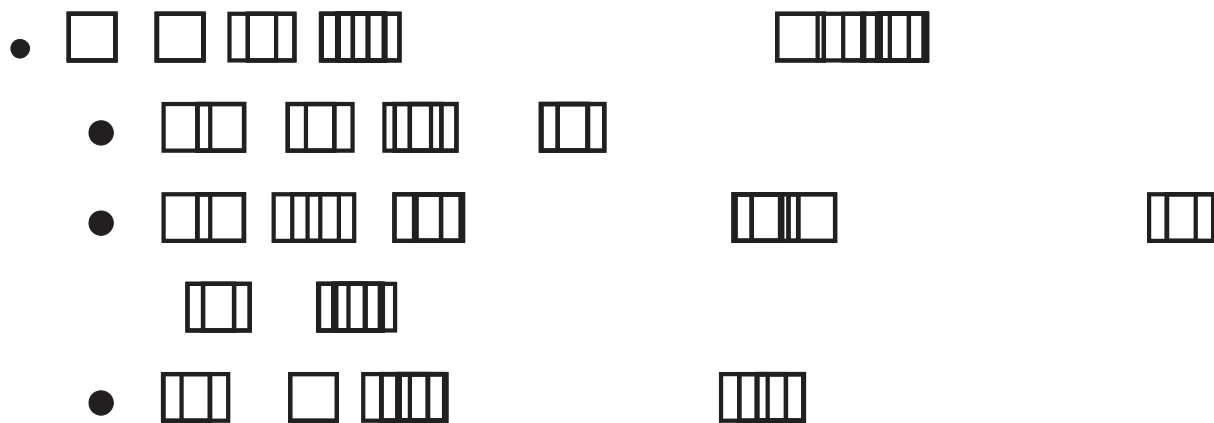
AFRACs F1s



Ls ss

e H ess

s RACF eye



Ls ss e Hlss s RACF eye

s esle s s ssRACRs

```

J5 00A2 009DD928 SVC 82 070C2000 80DA266E 00000000 00005910 00000000
J5 00A2 009DD928 SVC 77 070C2000 88203442 88201FE4 FFF00000 000E0001
J5 00A2 009DD928 SVCR 77 070C2000 88203442 00000000 FFF00000 80004000

```

IPCS OUTPUT STREAM -----

Command ==> **ip where 00DA266E**

```

*****
ASID(X'00A2') 00DA266E. ICHRF00+266E IN PIPA
*****

```

SVRB: 009FF928

```

-0020 XSB..... 7FFFC918 FLAGS2... 00 RTPSW1...
-0008 FLAGS1... 02000000 WLIC..... 00020082
+0000 RSV..... 00000000 00000000 SZSTAB...
+0018 Q..... 00000000 LINK..... 009DD8A0
+0020 GPR0-3... 00000000 009B8A5C 009ACED9 009CA480
+0030 GPR4-7... 009CAE30 009AA688 009C9340 009D6F08
+0040 GPR8-11.. 009B88B8 07F3C2F5 07F3B2F6 07F3A2F7
+0050 GPR12-15. 87F392F8 009B88B8 87F3B2C6 00000000

```

SVRB: 009FF738

```

-0020 XSB..... 7FFFC7B8 FLAGS2... 80 RTPSW1...
-0008 FLAGS1... 02000004 WLIC..... 00040010
+0000 RSV..... 00000000 00000000 SZSTAB...
+0018 Q..... 00000000 LINK..... 009FF928
+0020 GPR0-3... 00005910 00000000 00DA1C50 00F4B530
+0030 GPR4-7... 00000002 00000001 00000001 00005A90
+0040 GPR8-11.. 00005A28 00005888 00000000 00005890
+0050 GPR12-15. 00DA1C50 00005890 00000002 00000000

```

ASID(X'00A2') STORAGE -----

Command ==> **1 00005910**

```

J0005910 00005A90 00005A28 00000000 884C68B2 | ..!...!.....h<.. |
J0005920 TO 000059FF (X'000000E0' bytes)--All bytes contain X'00'
J0005A00 00000000 00005A90 00000000 00000000 | .....!..... |
J0005A10 TO 00005A2F (X'00000020' bytes)--All bytes contain X'00'
J0005A30 00AC0000 00010000 00000000 00000000 | ..... |

```

Ls ss

e H ess

s RACRs

```
ASID(X'00A2') STORAGE -----  
Command ==> First word is address of RACF parameter list  
00005910 ? 00005A90 00005A28 00000000 884C68B2 | ..!...!.....h<.. |  
00005920 TO 000059FF (X'000000E0' bytes)--All bytes contain X'00'  
00005A00 00000000 00005A90 00000000 00000000 | .....!..... |  
00005A10 TO 00005A2F (X'00000020' bytes)--All bytes contain X'00'  
00005A30 00AC0000 00010000 00000000 00000000 | ..... |
```

```
ASID(X'00A2') STORAGE -----  
Command ==>  
00005A90 44000000 98000000 04000000 00000000 | ....q..... |  
00005AA0 TO 00005AAF (X'00000010' bytes)--All bytes contain X'00'  
00005AB0 00000000 00005AF8 00005B24 00005B2C | .....!8..$.$. |  
00005AC0 TO 00005AEF (X'00000030' bytes)--All bytes contain X'00'
```

```
ASID(X'00A2') STORAGE -----  
Command ==> Second word is address of SAF parameter list  
00005910 00005A90 ? 00005A28 00000000 884C68B2 | ..!...!.....h<.. |  
00005920 TO 000059FF (X'000000E0' bytes)--All bytes contain X'00'  
00005A00 00000000 00005A90 00000000 00000000 | .....!..... |  
00005A10 TO 00005A2F (X'00000020' bytes)--All bytes contain X'00'  
00005A30 00AC0000 00010000 00000000 00000000 | ..... |
```

```
ASID(X'00A2') STORAGE -----  
Command ==> from here issue l x+18?+14?+c (explained in 3 pages)  
00005A28 TO 00005A2F (X'00000008' bytes)--All bytes contain X'00'  
00005A30 00AC0000 00010000 00000000 00000000 | ..... |  
00005A40 00005828 00000000 00000000 00000068 | ..... |  
00005A50 TO 00005A8F (X'00000040' bytes)--All bytes contain X'00'  
00005A90 44000000 98000000 04000000 00000000 | ....q..... |  
00005AA0 TO 00005AAF (X'00000010' bytes)--All bytes contain X'00'
```

Lsss

eless

sRACRs

ASID(X'00A2') STORAGE

Command ==>

```

00005398                884C68B2  00D9A000  | .      h<...R..|
000053A0  08150008  10745064  00280000  08150008  | .....&.....|
000053B0  00000001  10745000  00005818  00005828  | .....&.....|
000053C0  10745000  00FBE700  084C770B  000052F0  | ..&...X..<.....0|
000053D0  884C670C  00000000  00000000  00000000  | h<.....|
000053E0 TO 000053FF (X'00000020' bytes)--All bytes contain X'00'

```

CALLED (where you're headed)

IPCS OUTPUT STREAM -----

Command ==> ip where 00D9A000 reg 15 (to addr)

```

*****
ASID(X'00A2') 00D9A000. ICHSFR00+00 IN PLPA
*****

```

CALLER (where you came from)

IPCS OUTPUT STREAM -----

Command ==> ip where 084C68B2 reg 14 (from addr)

```

***** TOP O
ASID(X'00A2') 084C68B2. IGG0CLHA+78B2 IN EXTENDED PLPA
***** END O

```

Remember, RACROUTE is called via a BALR R14,R15. This invokes SAF router (ICHSFR00) which inturn calls the RACF router (ICHRFR00) to do the actual SVC (x'82', x'83', x'84', x'85') invocation.

Ls ss

e Hless

s RACRs

```

File Edit Edit_Settings Menu Utilities Compilers
ssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss
EDIT          RDHARDG.JCL.CNTL(X) - 01.26
Command ==> hex data
005900 ICH408I USER(HARDGR3 )
          C9C3C8F4F0F8C940E4E2C5D94DC8C1D9C4C7D9F3405D4040
          40404040404040404040404040404040404040404040404040404040404040
-----
***** ***** Bottom of Data *****

```

```

SLIP DEL, ID=WT01
SLIP SET, IF, LPAEP=( IGC0003E, 0, 0 ), A=SYNCSVCD, ID=WT01,
DATA=( 1R?+04, EQ, C9C3C8F4,
       1R?+08, EQ, F0F8C940,
       1R?+0C, EQ, E4E2C5D9,
       1R?+10, EQ, 4DC8C1D9,
       1R?+14, EQ, C4C7D9F3,
       1R?+14, EQ, 405D ),
SDATA=( PSA, CSA, LPA, LSQA, RGN, SQA, SUM, SWA, TRT ), END

```

(the data parameter is looking for ICH408I USER(HARDGR3) in REG1

```

ASID(X'001F') ADDRESS(0B200C6C.) STORAGE -----
Command ==> l r0+4?+18?+14?+c?-2          SCROLL ==> C
0B200C6C          05EF182F          | ..... |
0B200C70    5830C044    5840C048    182F4170    00044180    | ..{.. {..... |
0B200C80    00081222    4780C1CA    19274780    C1AA1928    | .....A.....A... |

```

scrolling up to see:

```

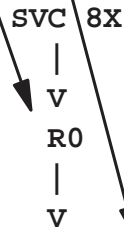
0B200B20    00000000    00000000    90ECD00C    18CF47F0    | .....}.....0 |
0B200B30    C03040C1    E4E3C8C3    C8D2F140    404040E5    | {. AUTHCHK1    V |
0B200B40    F14BF040    40604040    C7D9C9D5    C3C840F0    | 1.0 - GRINCH 0 |
0B200B50    F761F2F2    61F0F100    50D0C204    41D0C200    | 7/22/01.&}B..}B. |
0B200B60    41500003    4160C448    4510C0AC    00000000    | .&...-D...{..... |

```

Ls ss e Hss s RACRs

1 R0+4?+18?+14?+c?-2

This way of finding the caller is to go to the SAF workarea....



(RACF parmlist) +0
|
V

(SAF parmlist) +4
|
V

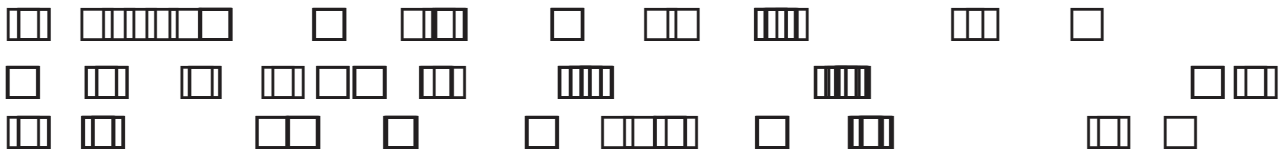
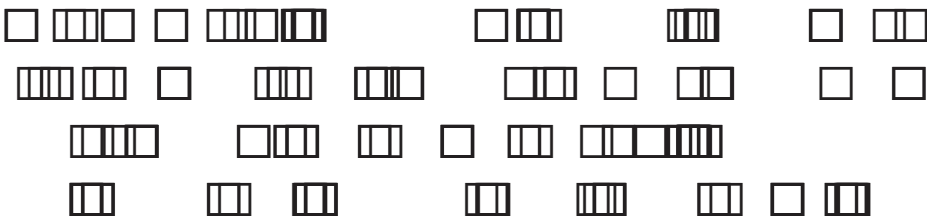
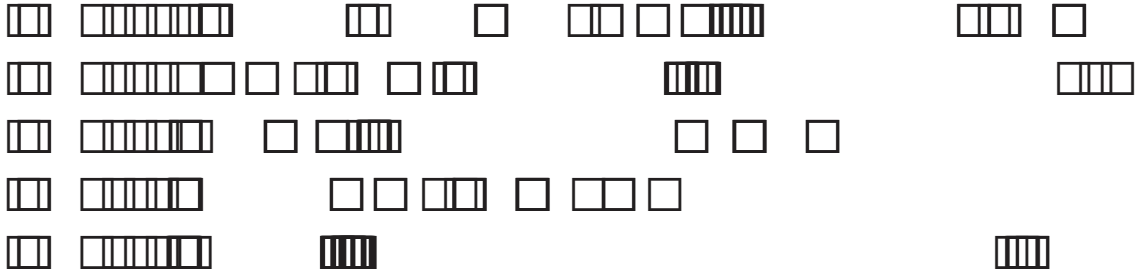
+18 |-----|
|^ ptr. to |
|| SAFPWA |
|-----|

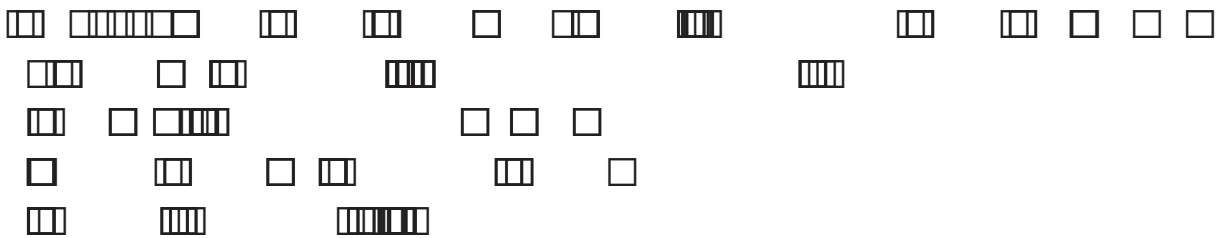
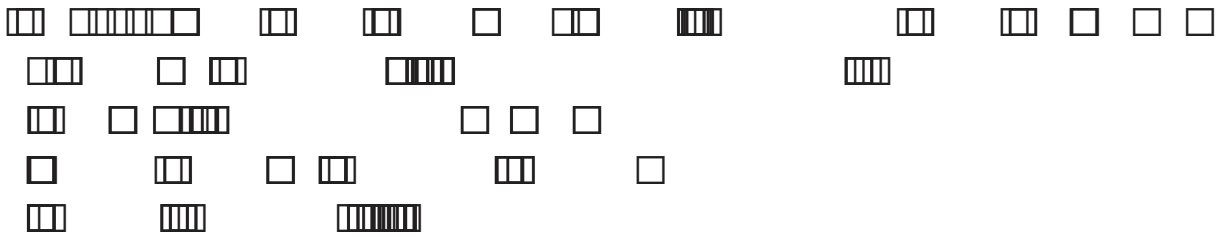
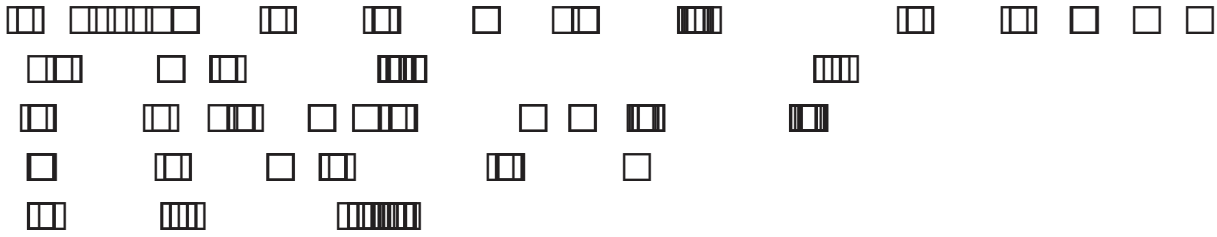
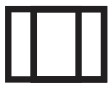
+14 |-----|
|^ ptr. to |
|| Savearea |
|-----|

1stword	2ndword	3rdword	4thword	5thword
+0	+4	+8	+c	+10

In the savearea:	Garbage	HSA	LSA	R14 (caller) Go to Addr. and back up to find module/lvl	R15 (should pt to ICHSFR00 +0 Do IP Where on Addr. in R15. (good to verify you are in the right savearea)
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  **s** **sss** **As** **s** **s** **CLs** **s**   

  **s** **Rs** **CLs** **s** **Rs**

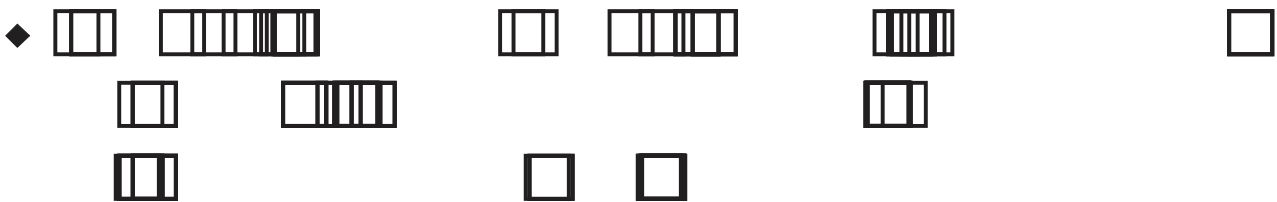
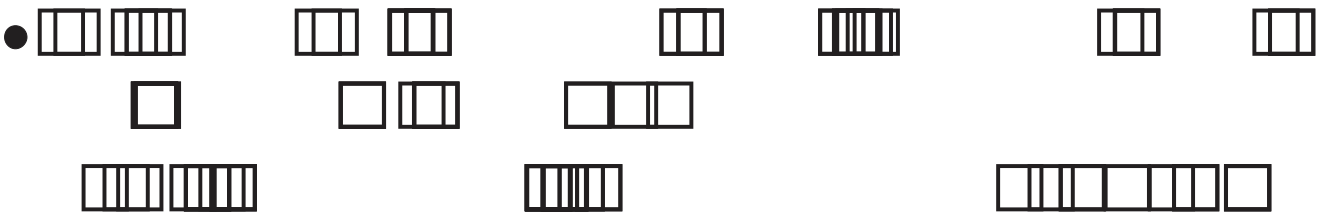
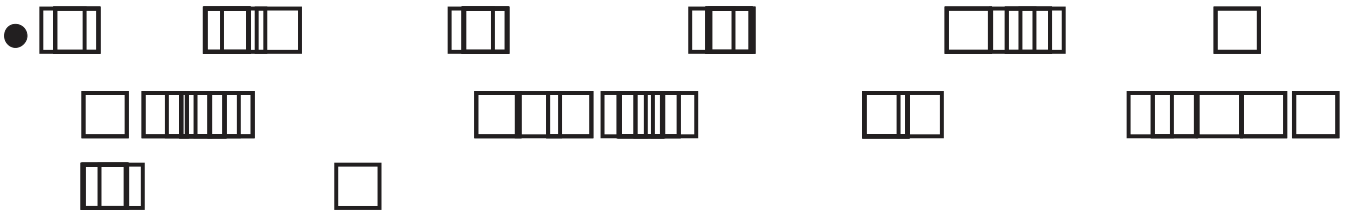
            





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ssRARs ses e ls s ss ls

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s ss s ess ss As As Cs

RFs Rs es



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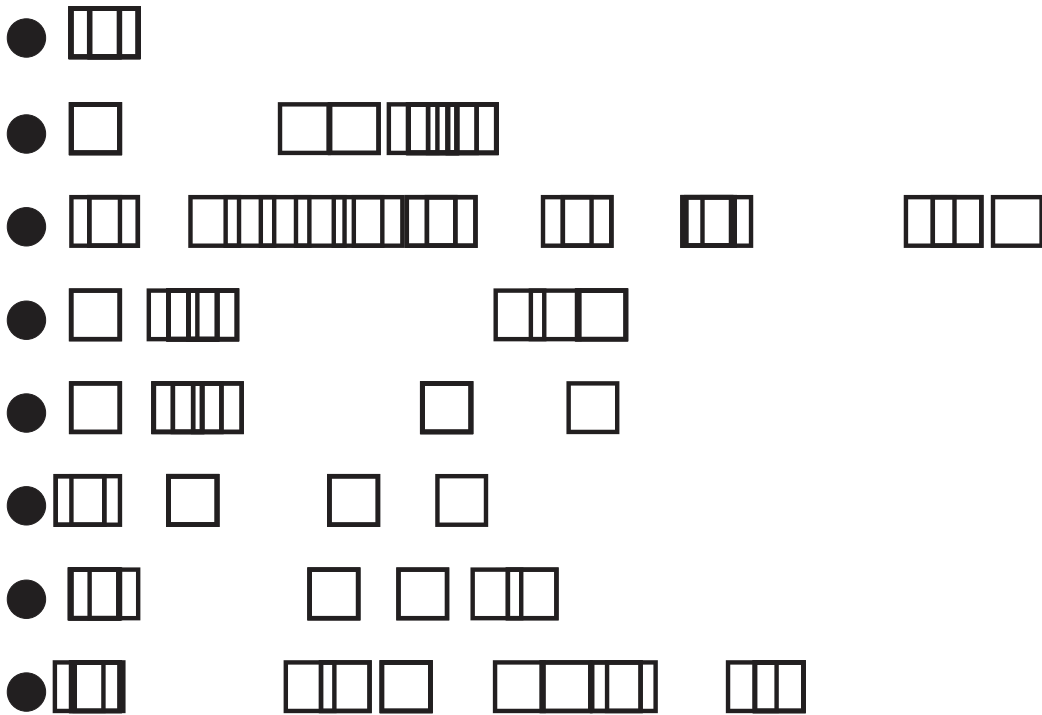


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ES

S



As ts ss s

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RACF Cts le eyes
 - ▶ ss Rs eseseyes
RACF s s
 - ▶ ss Rs eseseyes
RACF CstLe Res eee
 - ▶ ss Rs eseseyes
RACF sAes
 - ▶ ss Rs eseseyes
RACF es es
 - ▶ ss Rs eseseyes
RACF Rs eBes eee
 - ▶ ss Rs eseseyes
RACF esAs s
 - ▶ ss Rs eseseyes
RACF esCs es



