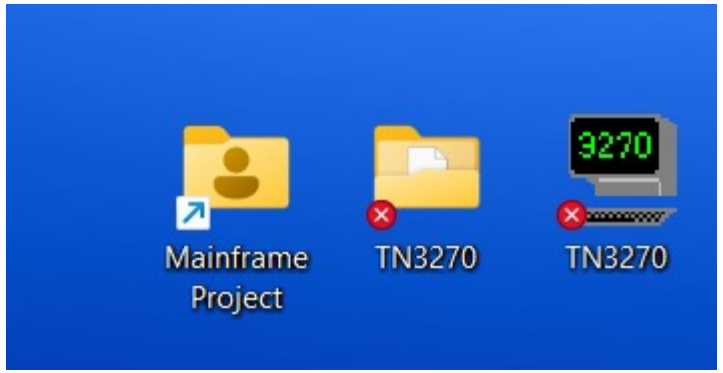
Pós-Graduação MBA
Alta Plataforma Mainframe IBM

Professor: Vagner Bellacosa

- Disciplina: Cobol & Além

COBOL



Modulo 02.03 – Configurações de Ambiente

1) VPN
2) Emulador TN3270 Plus
3) Emulador PCOMM
4) TSO
5) ISPF
6) Barra de Ferramentas ISPF
7) Duvidas

COBOL

1) Vagner Bellacosa seu facilitador

Analista programador desde 1989, onde comecei como auxiliar e tecnólogo em processamento de dados desbravando os primórdios da computação brasileira, um eterno aprendiz em processos Mainframe..

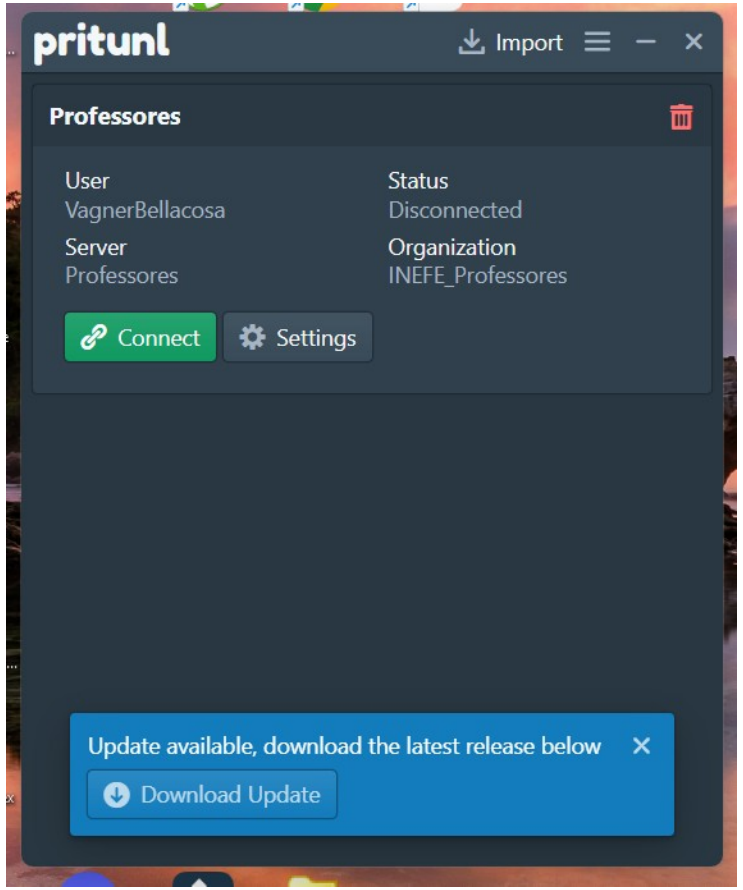
Desde então trabalhei em centenas de projetos, em 4 países e dezenas de instituições financeiras, ora como funcionário, consultor externo e freelancer.

A mais memorável foi o Banco REAL, uma verdadeira escola, onde aprendi muito e tive a oportunidade de participar no aliciante Projeto Y2K, o temível bug do milênio.

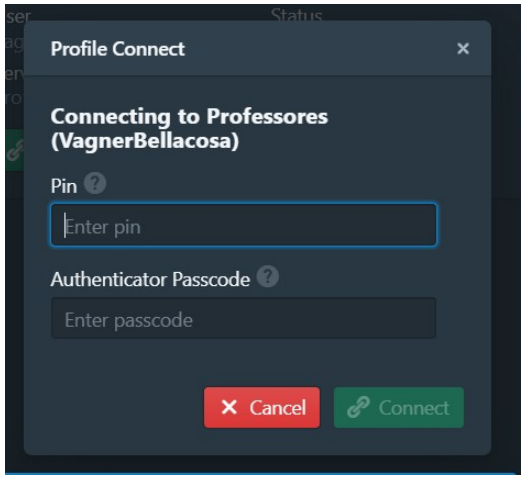
Participei em projetos na CESP, Fundação CESP, Transbrasil, ABSA, Real Seguros, BPN, Skandia, DGITA, BES, CGD, BPI, Barclay, Skandia, IBM Italia, Sistemi Informativi, Unicredit, Zurich Assicurazione, Banco Safra e Banco Itaú.

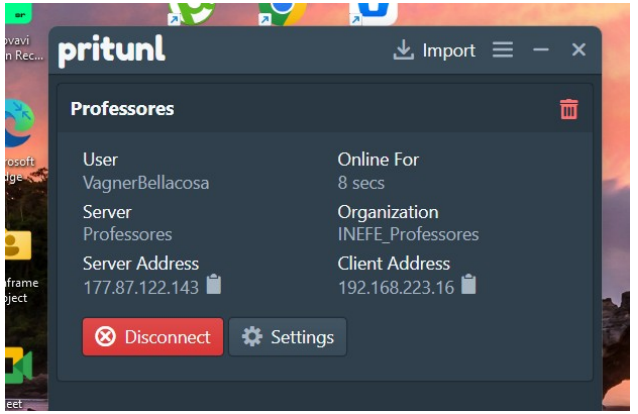
Atualmente trabalho na Spread no Projeto BRB em Brasília, via remoto.

TSO



VPN PRITUNL





Usuario e Senha serão fornecidos pelo suporte

[zos]10.102.20.129:3270

TSO

Emulador TN3270 Plus

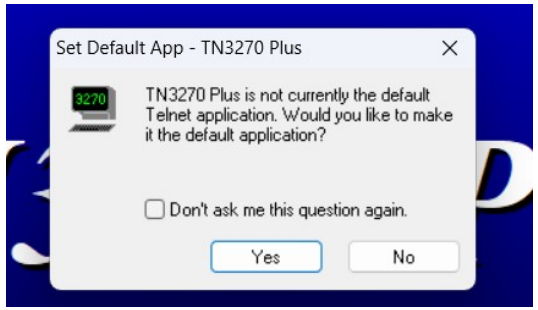
Manual do usuário:
http://www.sdisw.com/tn3270/manual/index.html

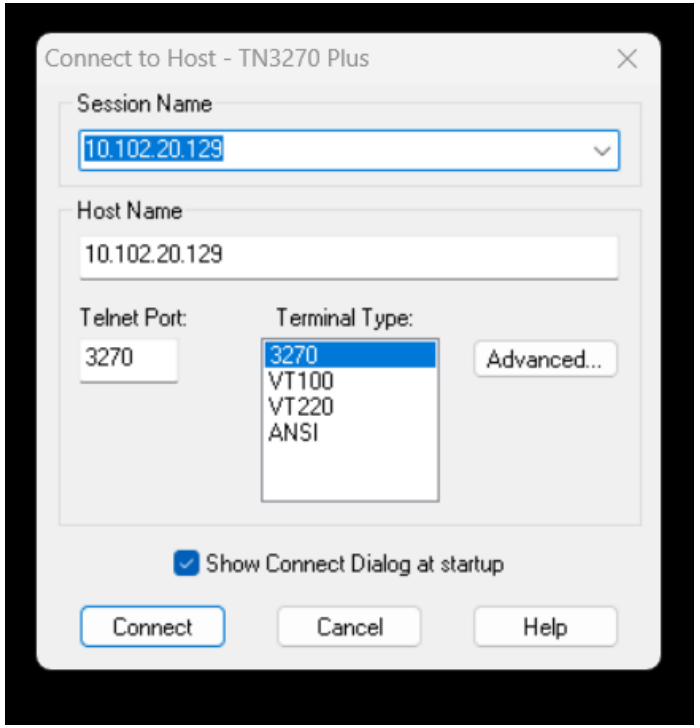
Documentos do suporte:
http://www.sdisw.com/tn3270/whitepapers.htm

http://www.sdisw.com/

TSO

Conectando ao Sistema Central (Formação).

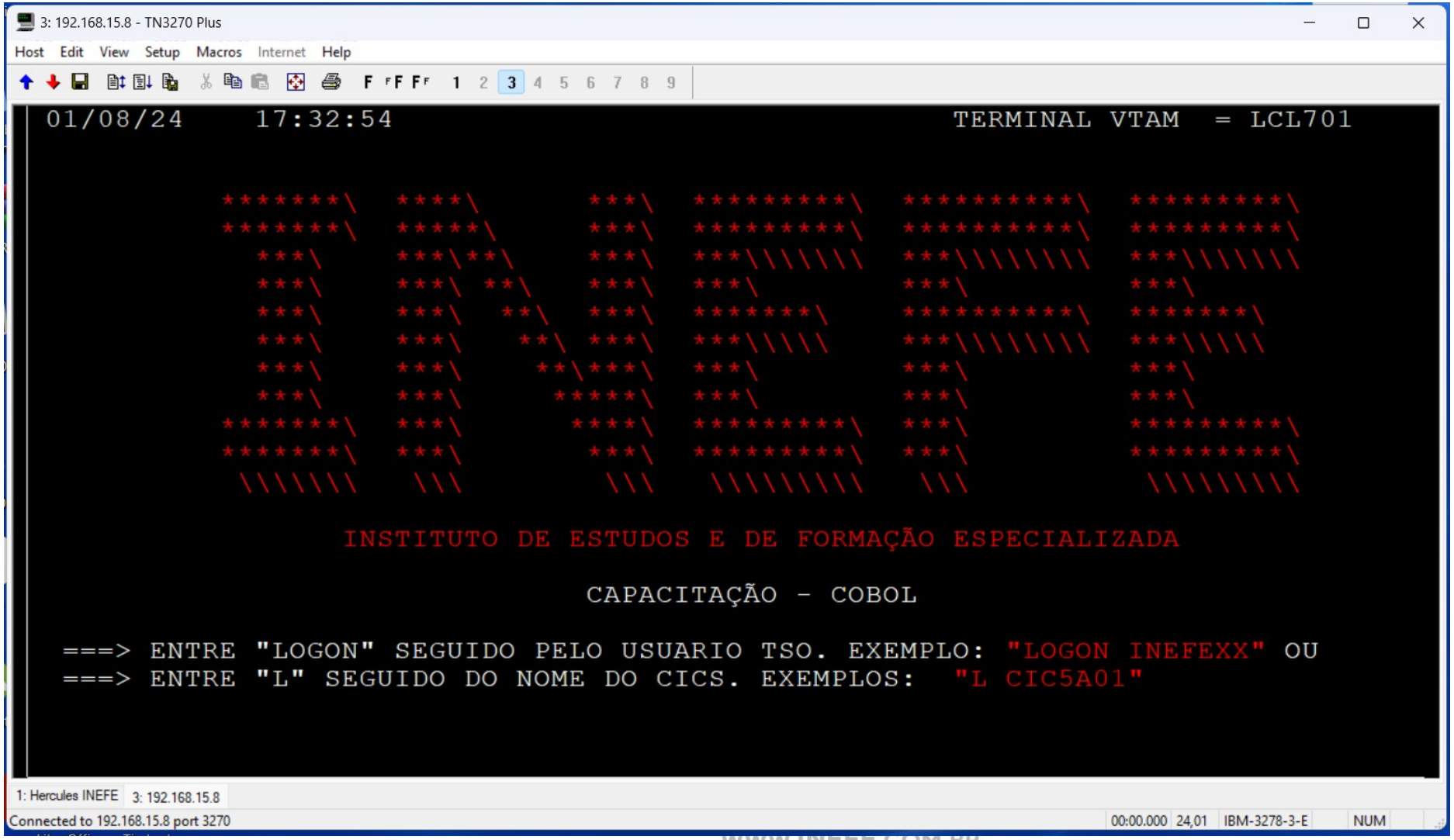




IP de acesso:
10.102.20.129

http://www.sdisw.com/

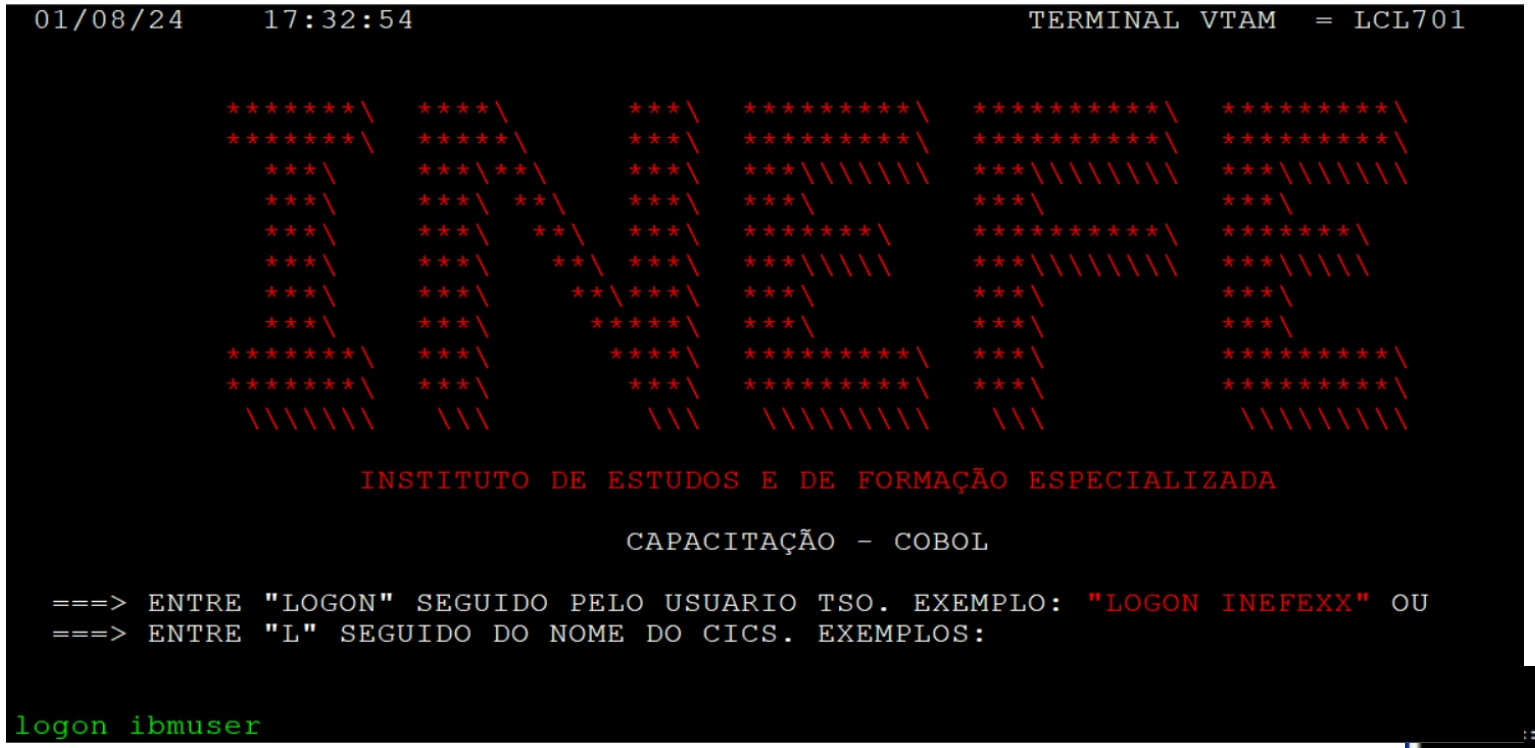
TSO



LOGON USERID

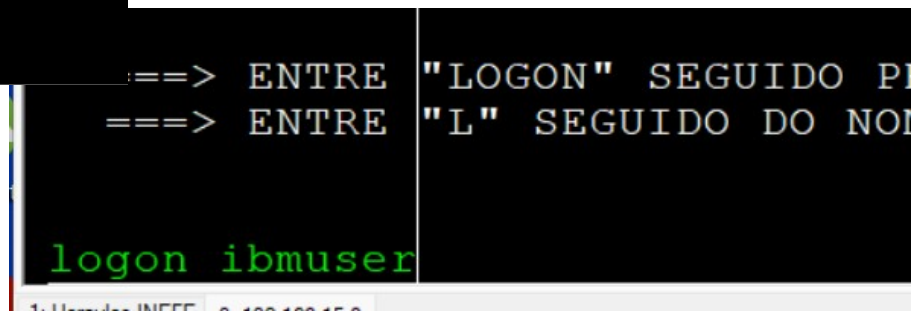
O USER-ID será fornecido via e-mail pelo suporte.

TSO



LOGON USER-ID

Conectando ao Host



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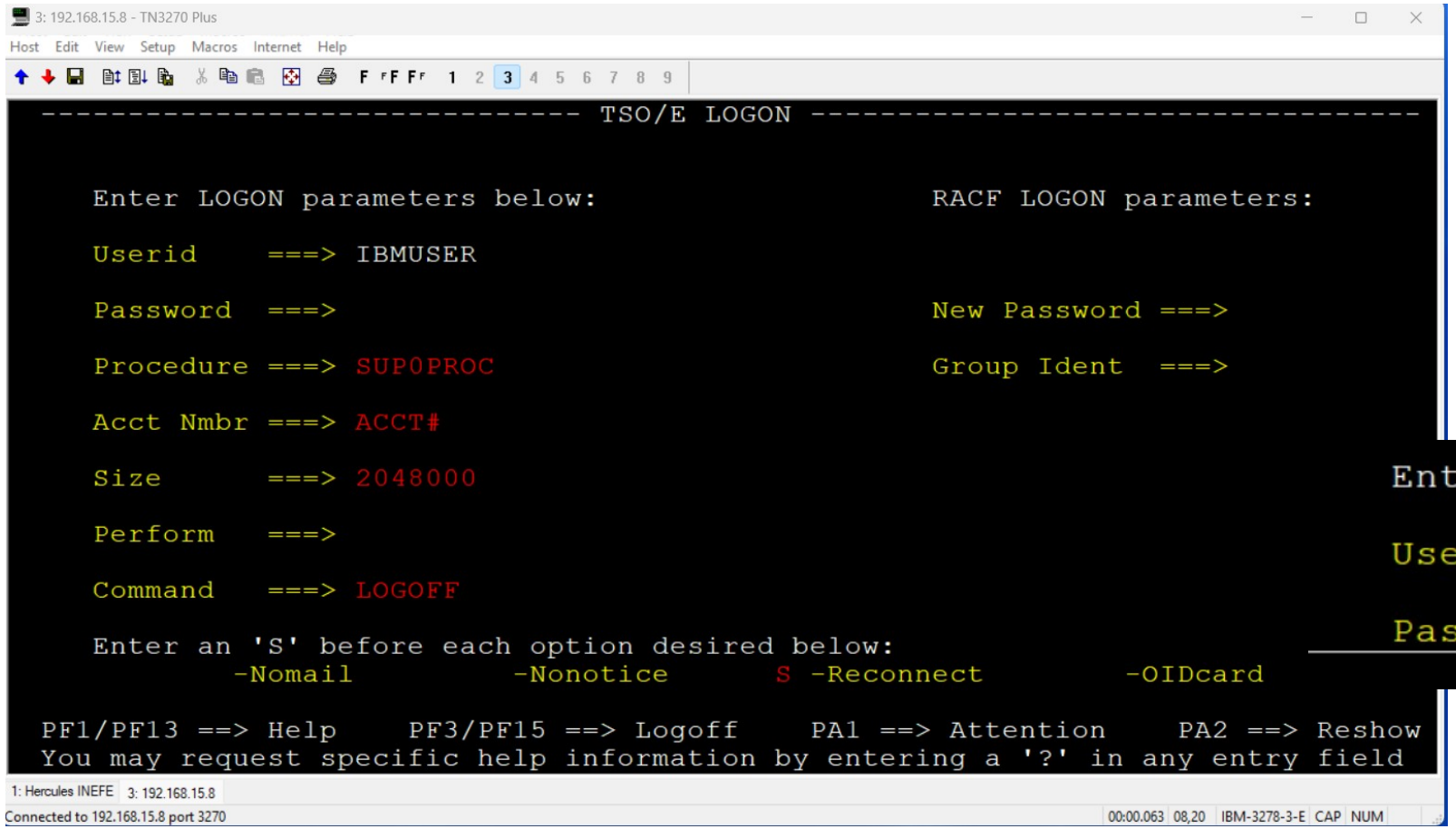
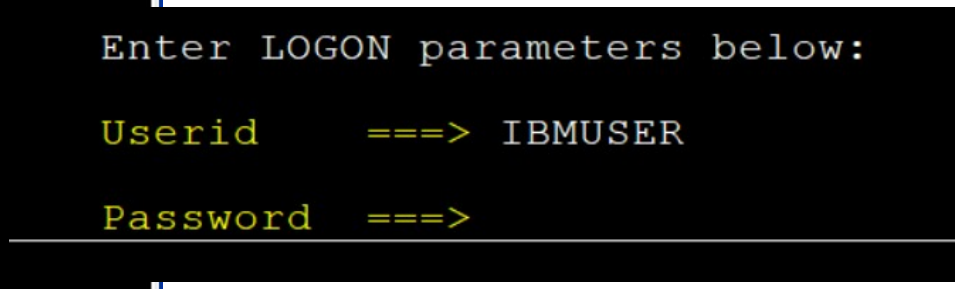
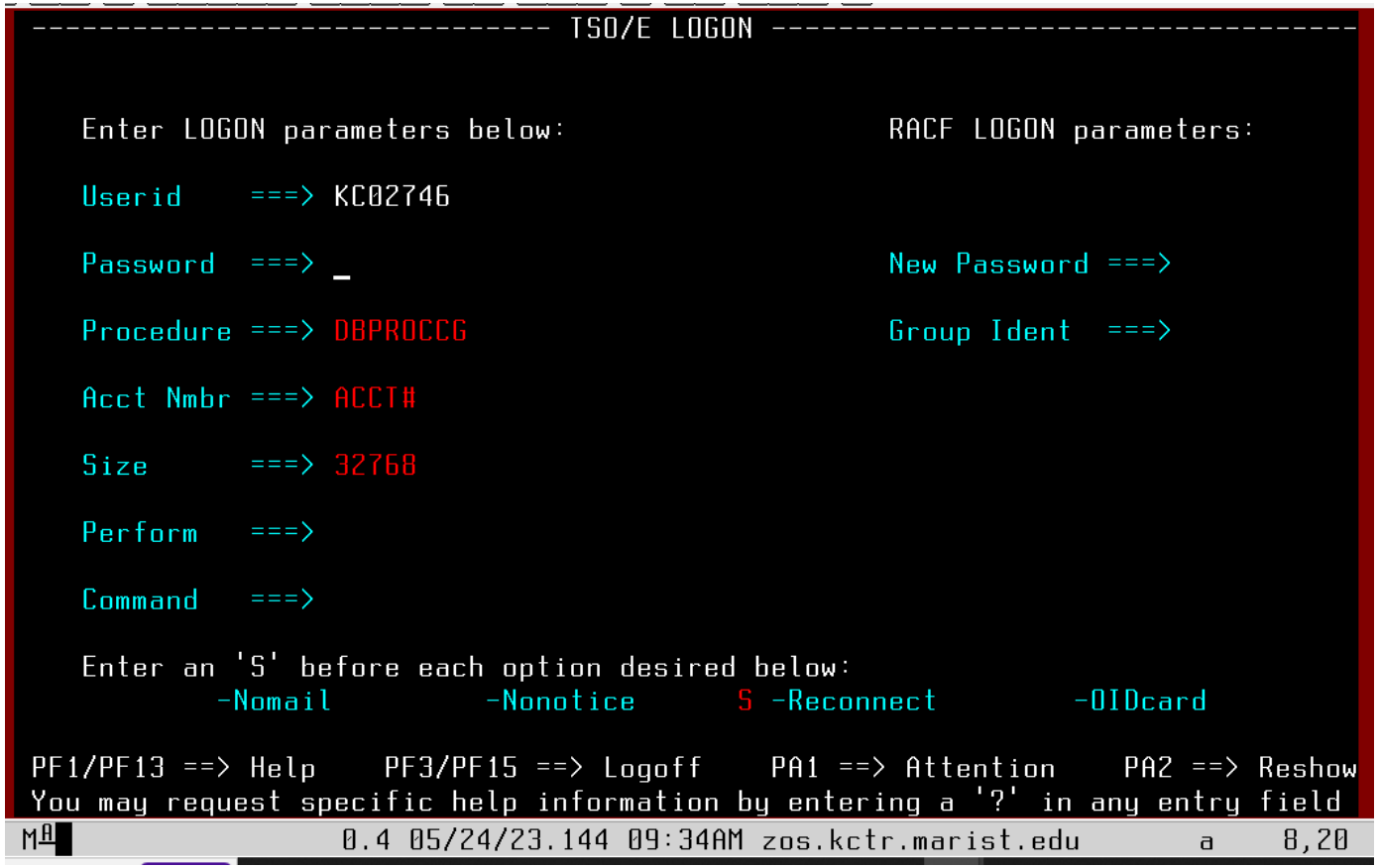


Informe sua Password

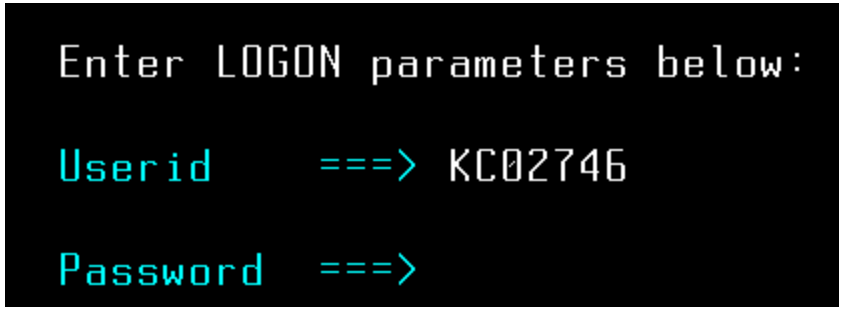


TSO



Informe sua senha

Password



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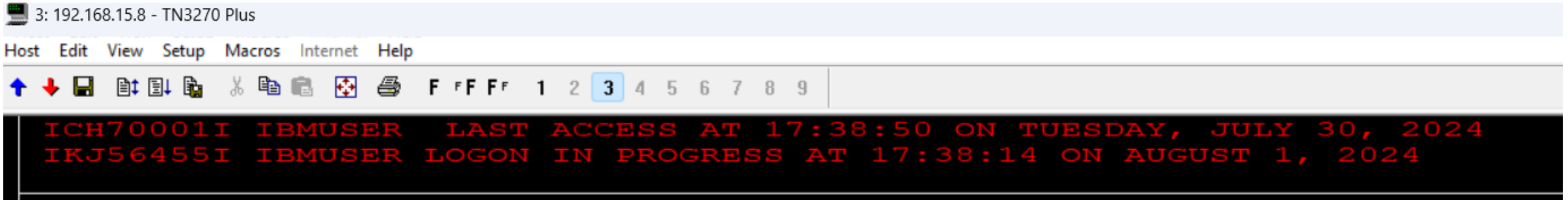
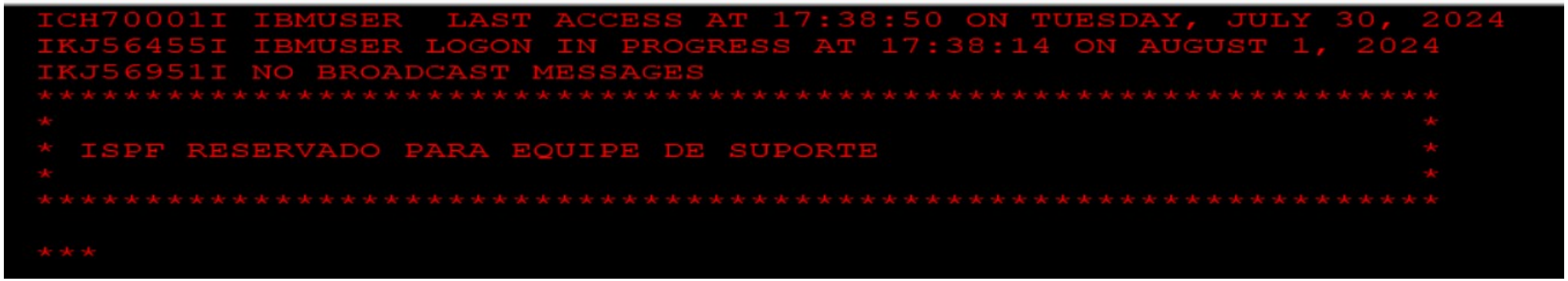


Mr Wizards i´m online...



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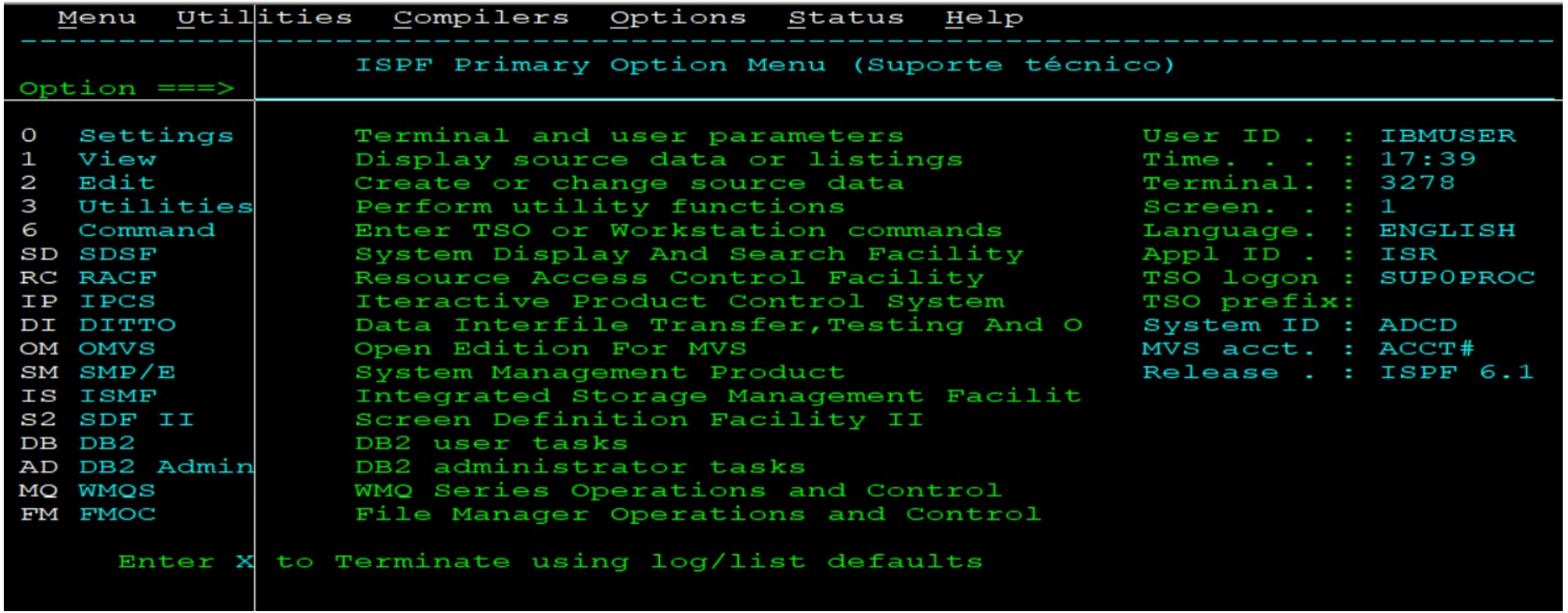
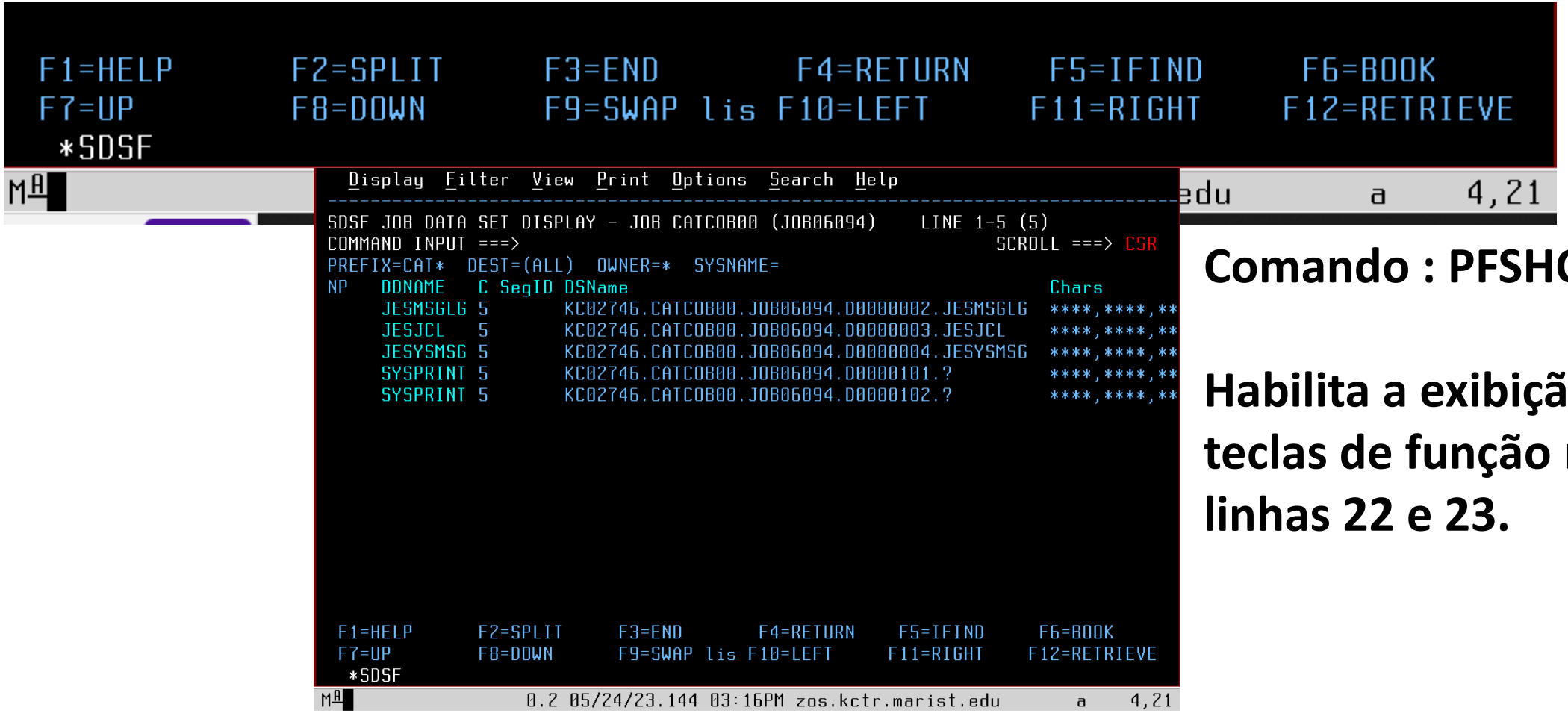

Menu Utilities Compilers Options Status Help
ISPF Primary Option Menu (Suporte técnico)
Option ===>
0 Settings Terminal and user parameters
1 View Display source data or listings
2 Edit Create or change source data
3 Utilities Perform utility functions
6 Command Enter TSO or Workstation commands
SD SDSF System Display And Search Facility
RC RACF Resource Access Control Facility
IP IPCS Iteractive Product Control System
DI DITTO Data Interfile Transfer,Testing And O
OM OMVS Open Edition For MVS
SM SMP/E System Management Product
IS ISMF Integrated Storage Management Facilit
S2 SDF II Screen Definition Facility II
DB DB2 DB2 user tasks
AD DB2 Admin DB2 administrator tasks
MQ WMQS WMQ Series Operations and Control
FM FMOC File Manager Operations and Control
Enter X to Terminate using log/list defaults
User ID . : IBMUSER
Time. . . : 17:39
Terminal. : 3278
Screen. . : 1
Language. : ENGLISH
Appl ID . : ISR
TSO logon : SUP0PROC
TSO prefix:
System ID : ADCD
MVS acct. : ACCT#
Release . : ISPF 6.1

TSO

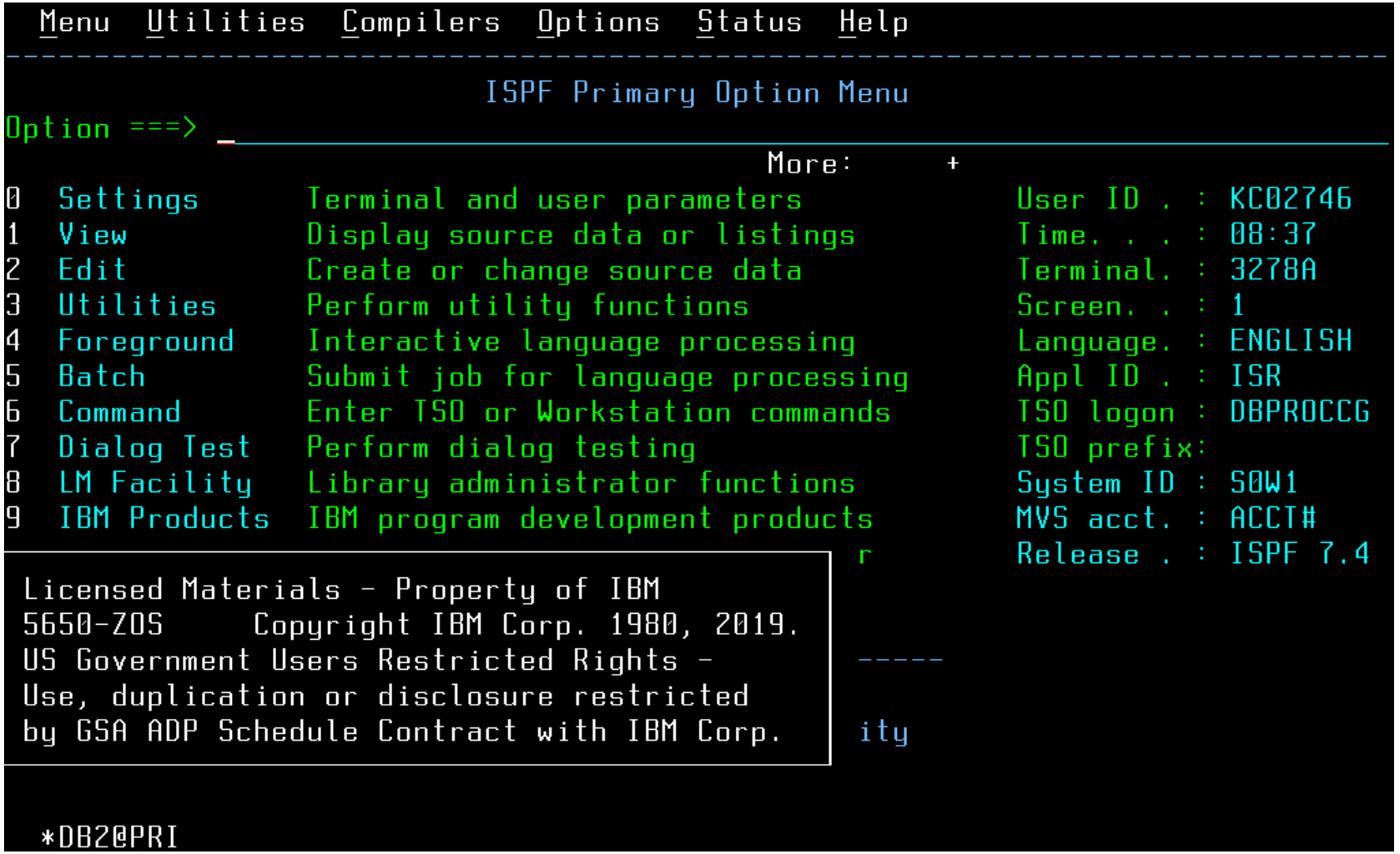
Teclas de Função



Comando : PFSHOW

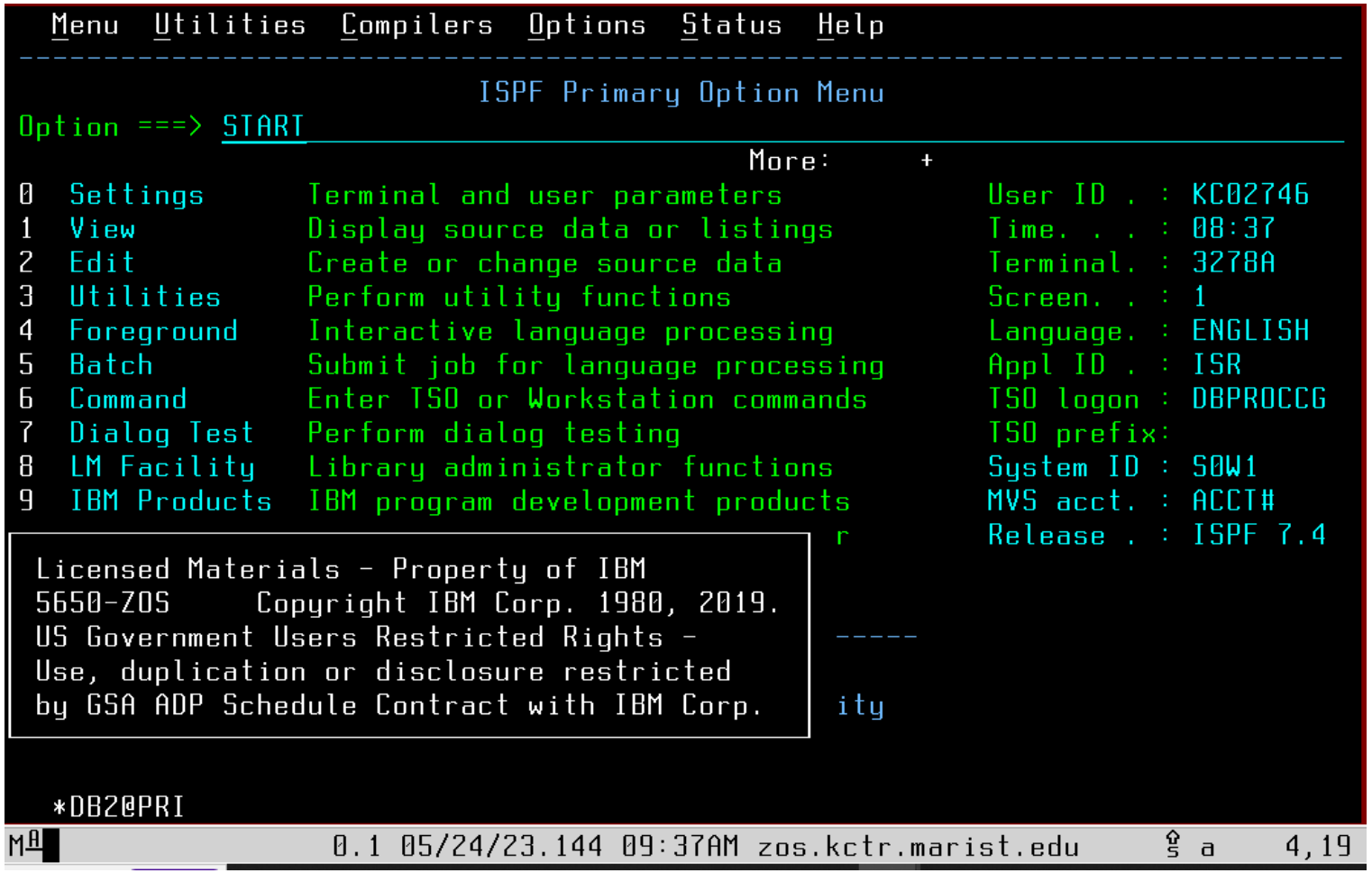
Habilita a exibição das teclas de função nas linhas 22 e 23.

ISPF



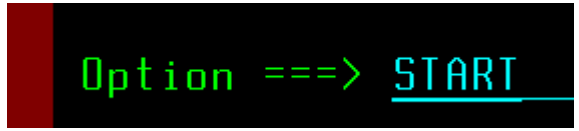
IDE para desenvolvimento de programas Mainframe.

ISPF

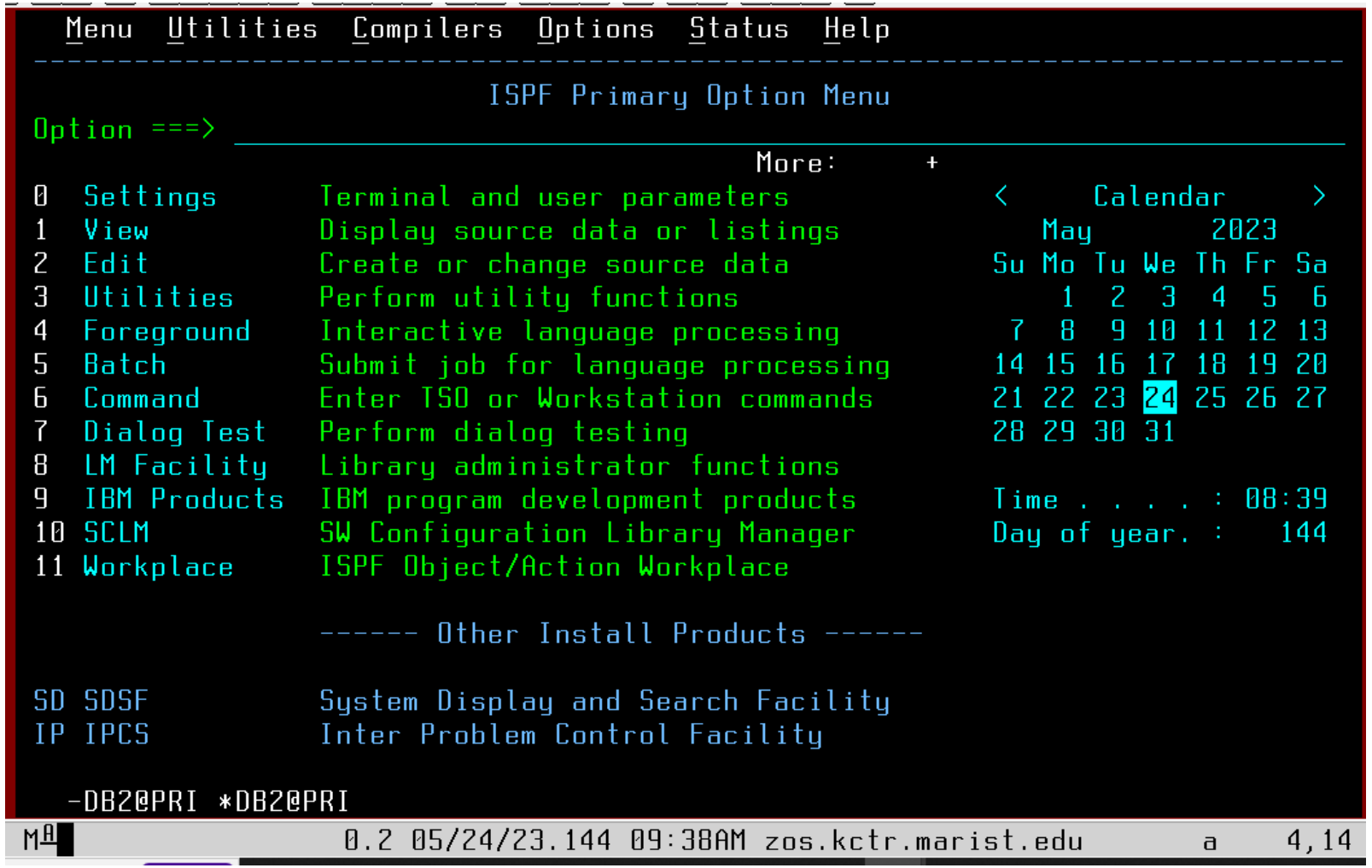


Comando Start

Cria novas janelas a



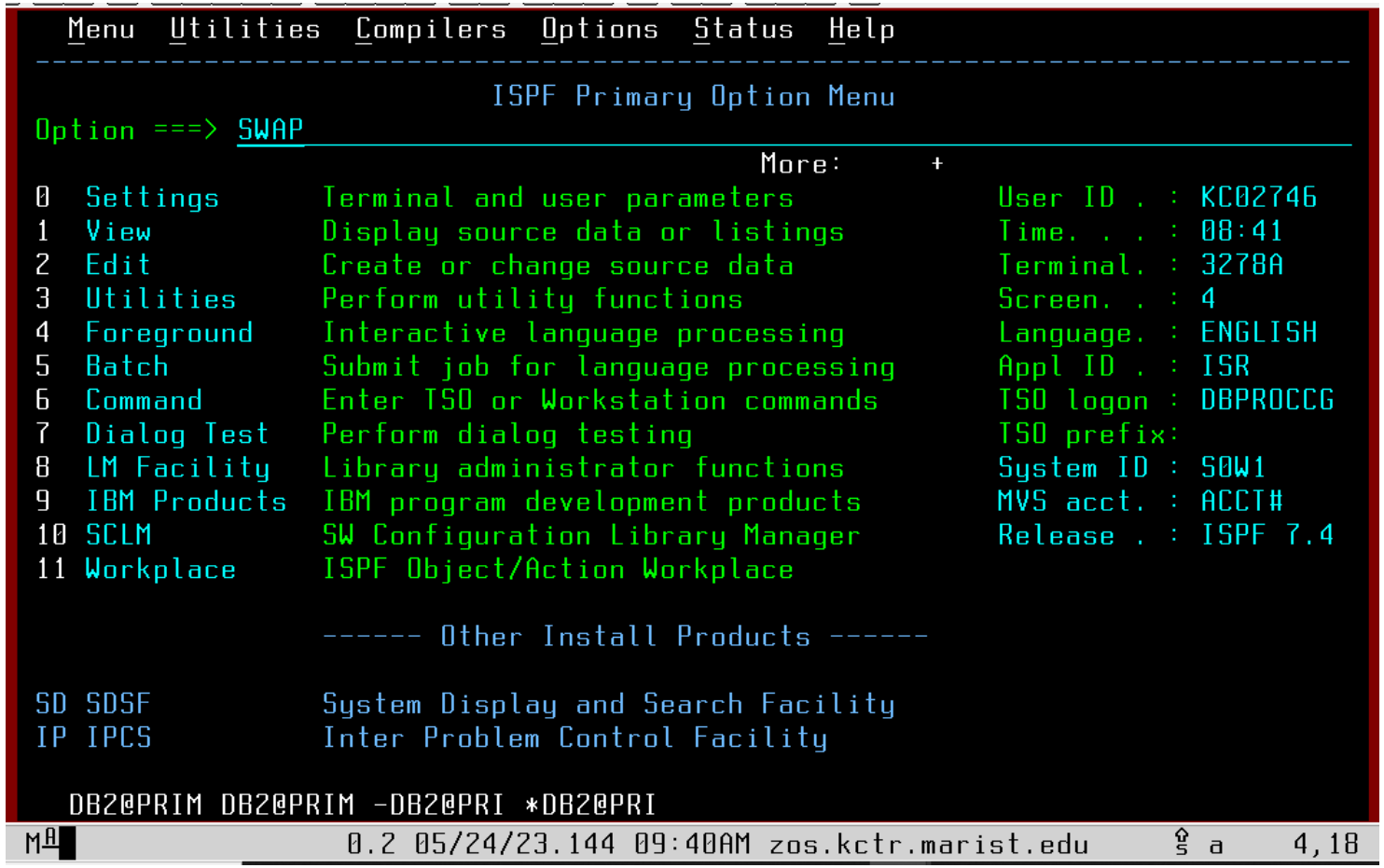
ISPF



Comando Start

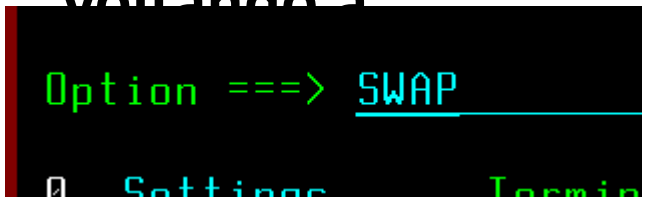
Esta limitado a oito janelas, que podem ser renomeadas e permite navegação via mouse ou linha de comando.

ISPF



Comando Swap

Permite Navegar nas janelas abertas, da esquerda para direita num formato carrossel, voltando a



ISPF

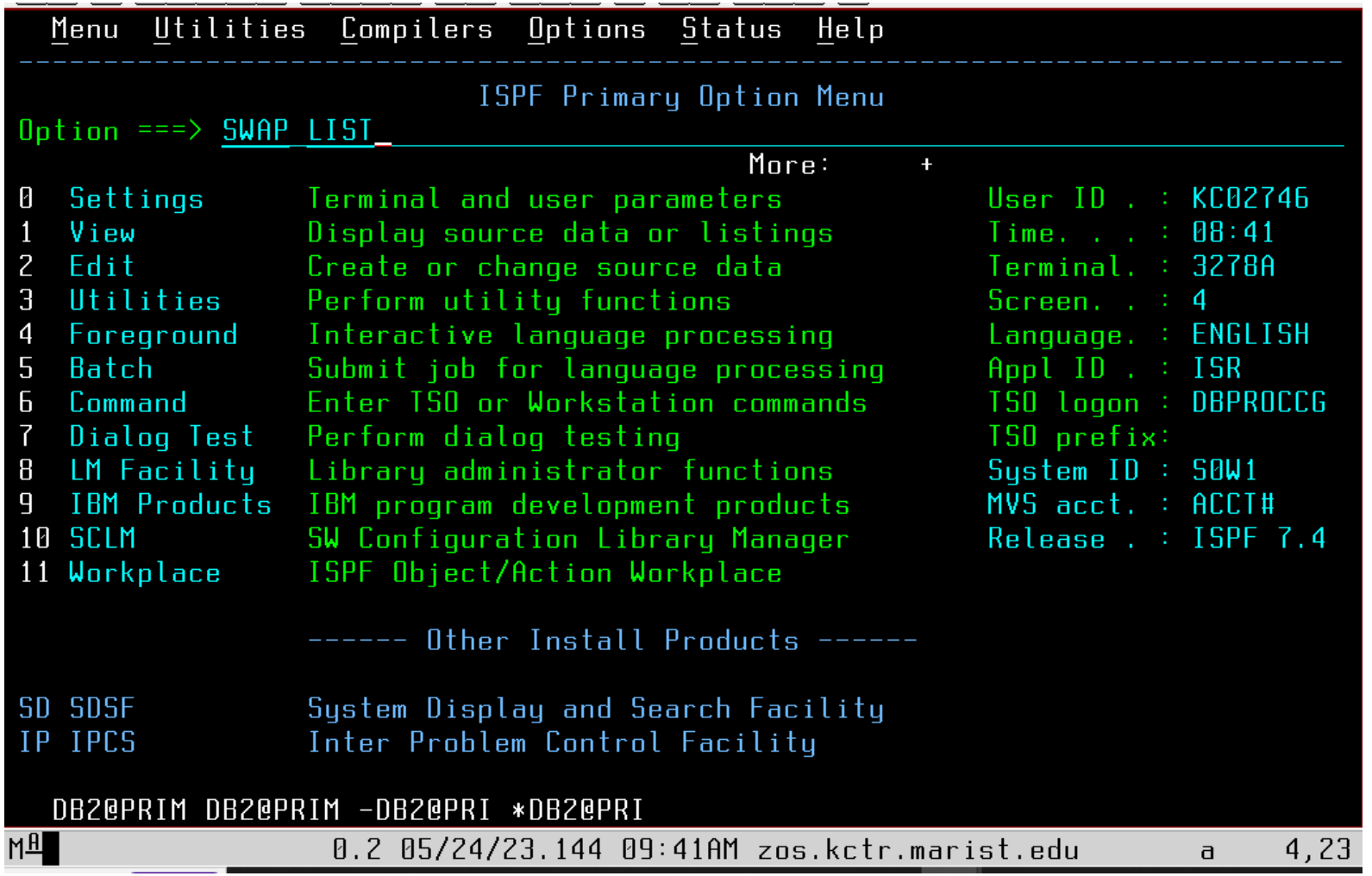
```
  Menu  Utilities  Compilers  Options  Status  Help
------------------------------------------------------------------------------
                         ISPF Primary Option Menu
Option ===> SWAP
                                                More:      +
0  Settings      Terminal and user parameters          User ID . : KC02746
1  View          Display source data or listings       Time. . . : 08:41
2  Edit          Create or change source data          Terminal. : 3278A
3  Utilities     Perform utility functions             Screen. . : 4
4  Foreground    Interactive language processing       Language. : ENGLISH
5  Batch         Submit job for language processing    Appl ID . : ISR
6  Command       Enter TSO or Workstation commands     TSO logon : DBPROCCG
7  Dialog Test   Perform dialog testing                TSO prefix:
8  LM Facility   Library administrator functions       System ID : S0W1
9  IBM Products  IBM program development products      MVS acct. : ACCT#
10 SCLM          SW Configuration Library Manager      Release . : ISPF 7.4
11 Workplace     ISPF Object/Action Workplace

                 ------ Other Install Products ------

SD SDSF          System Display and Search Facility
IP IPCS          Inter Problem Control Facility

  DB2@PRIM DB2@PRIM -DB2@PRI *DB2@PRI
MA                0.2 05/24/23.144 09:40AM zos.kctr.marist.edu    a     4,18
```

Comando Swap

Permite Navegar nas janelas abertas, da esquerda para direita num formato carrossel, voltando a primeira.

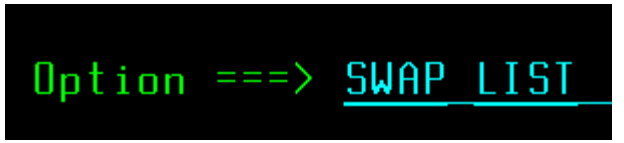
```
Option ===> SWAP

0  Settings      Termin
```

ISPF

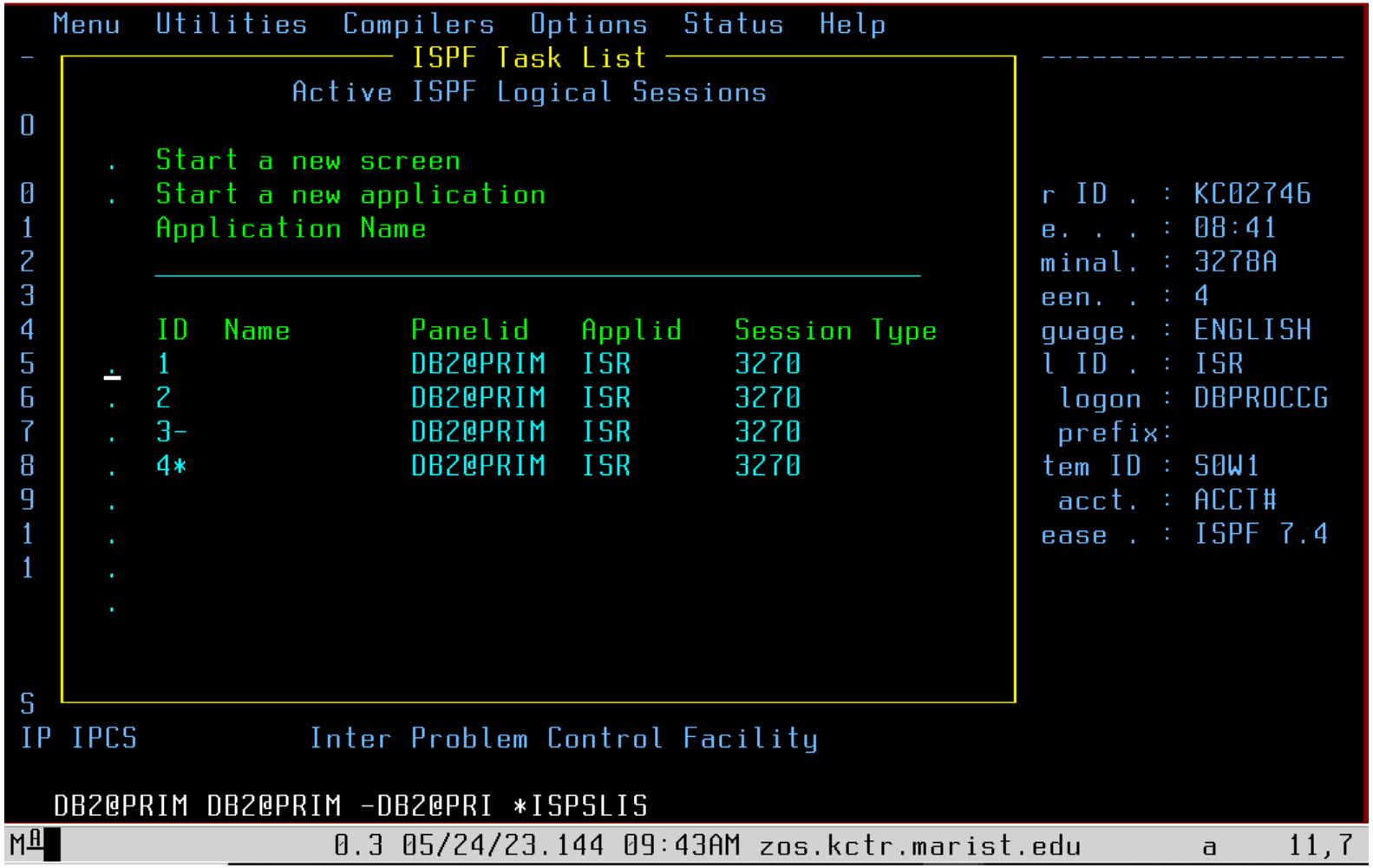


Comando Swap LIST

Abre uma janela que permite selecionar a janela diretamente.

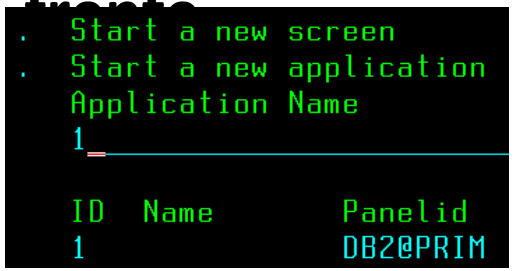


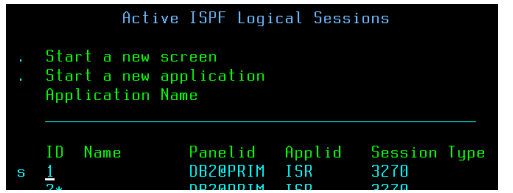
ISPF



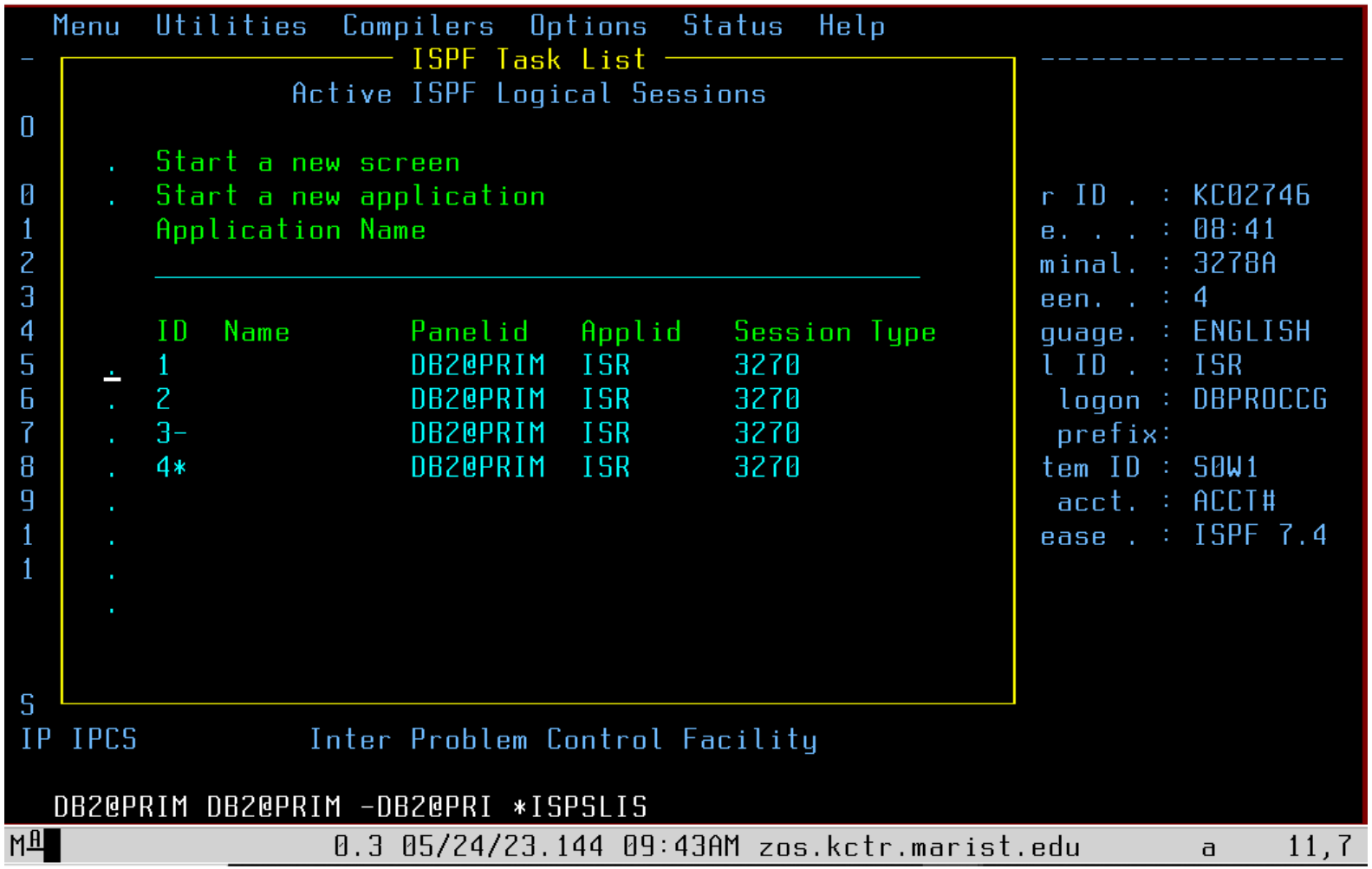
Comando Swap LIST

Pode ser selecionado pelo ID ou colocando S na frente



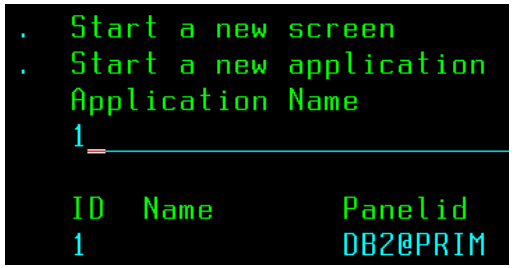


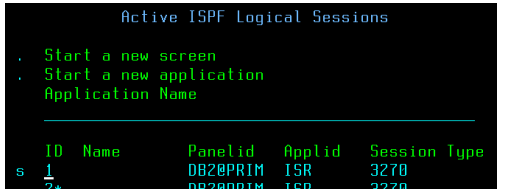
ISPF



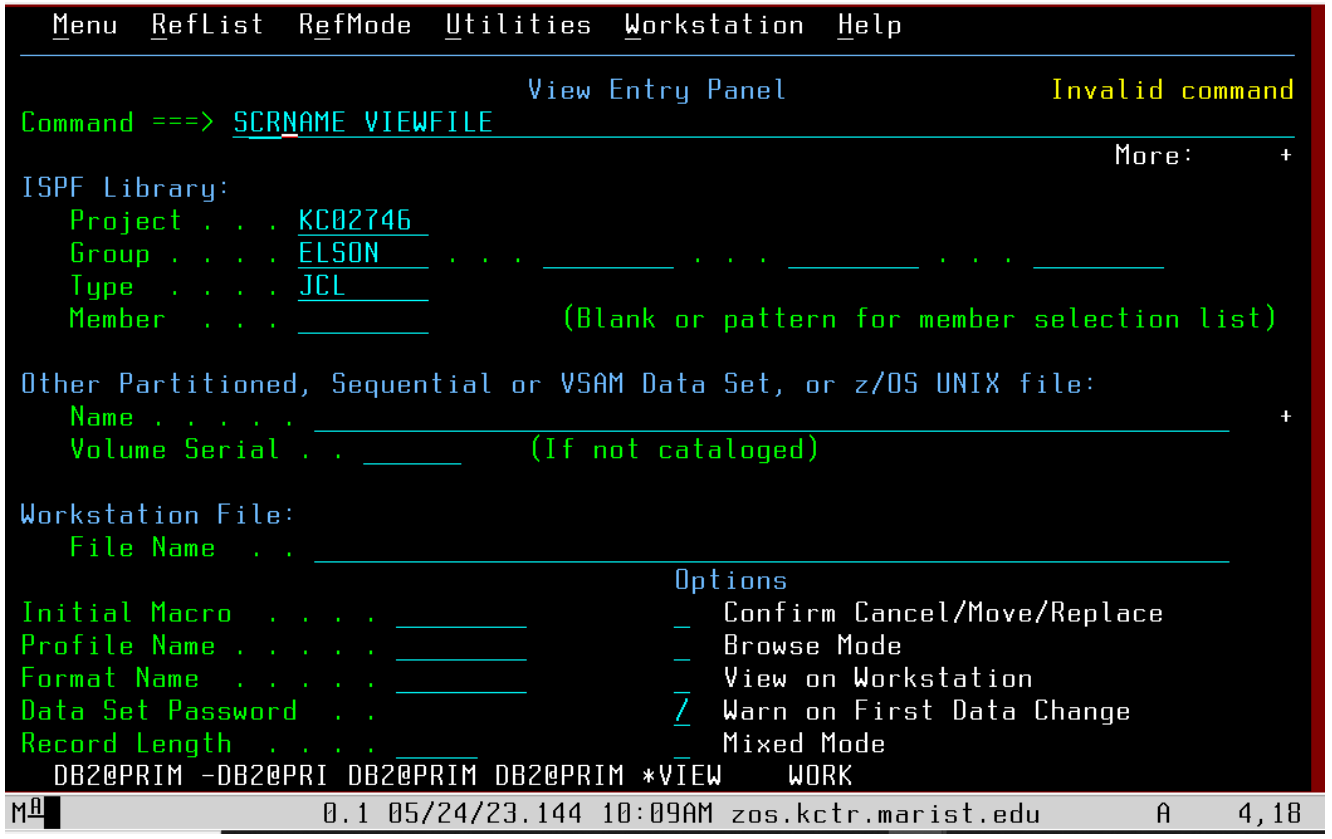
Comando Swap LIST

Pode ser selecionado pelo ID ou colocando S na frente.



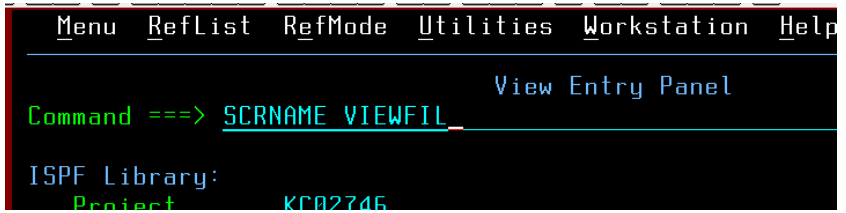


ISPF

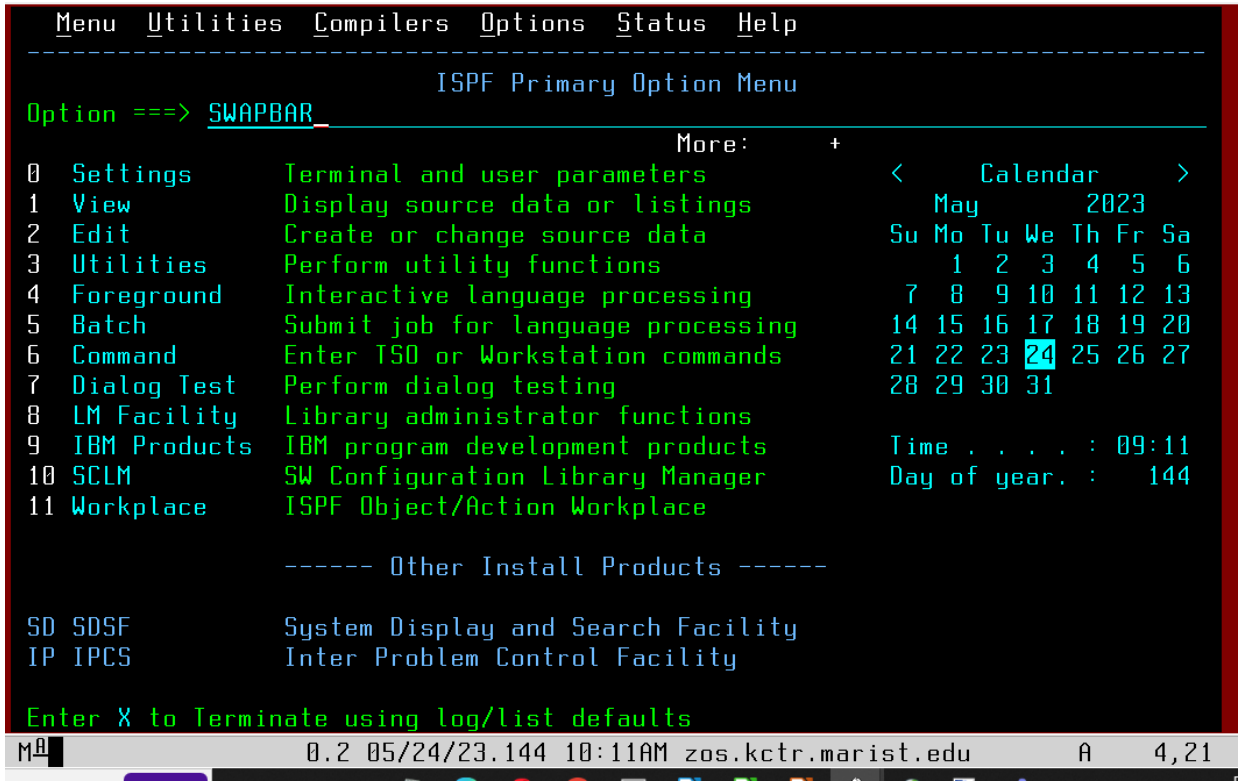


Comando SCRNAME

Utilizado para renomear uma janela

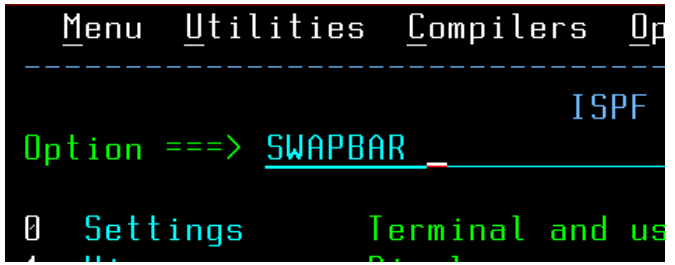


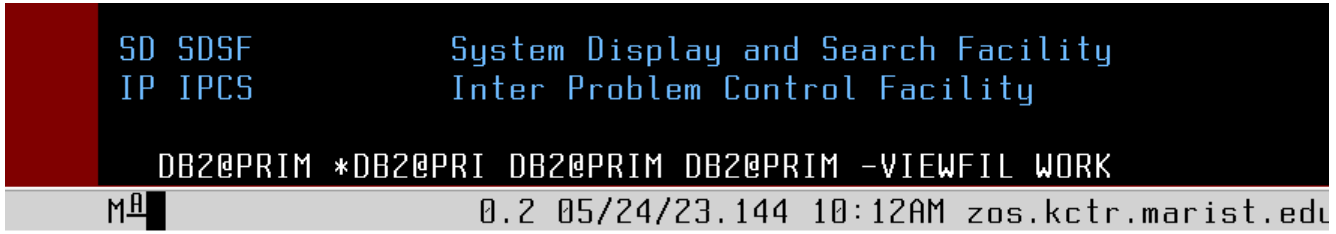
ISPF



Comando SWAPBAR

LIGA/DESLIGA a barra de navegação das janelas





ISPF

Outros comandos de interesse

```
  File   Edit   Edit_Settings   Menu   Utilities   Compilers   Test   Help
------------------------------------------------------------------------------
EDIT       IBMUSER.WORKBOOK.COBOL(TSOCOMAN) - 01.03          Columns 00001 00072
Command ===> ____________________________________________________ Scroll ===> CSR
****** ***************************** Top of Data ******************************
000001 ********************************************************************
000002 ***                    TTTTTT  SSSSSS  OOOOOO                     ***
000003 ***                    TTTTTT  SS      OO  OO                     ***
000004 ***                      TT    SS      OO  OO                     ***
000005 ***                      TT    SSSSSS  OO  OO                     ***
000006 ***                      TT        SS  OO  OO                     ***
000007 ***                      TT        SS  OO  OO                     ***
000008 ***                      TT    SSSSSS  OOOOOO                     ***
000009 ********************************************************************
000010 *** COMANDOS UTEIS PARA O DIA A DIA NA EDICAO DE PROGRAMAS          ***
000011 ********************************************************************
000012 ***                 CONFIGURACAO DE AMBIENTE DE EDICAO             ***
000013 ********************************************************************
000014 [AUTOSAVE] ON / OFF
000015  GRAVA AS EDICOES DE ARQUIVO NO TSO, QUANDO APERTAMOS O F3
000016
000017  [CAPS] ON / OFF
000018  NA EDICAO DE ARQUIVOS OS CARACTERES AUTOMATICAMENTE FICAM EM MAISCULAS
000019
000020  [HEX] ON / OFF
000021   CONVERTE O ARQUIVO EM EDICAO DO FORMATO EBCDIC PARA HEXADECIMAL
000022
000023  [HLITE] JCL / COBOL / SQL
000024   CORES DE COMANDO NA LINGUAGEM SELECIONADA, FACILITA A CODIFICACAO
000025
000026  [NUMBER] ON / OFF STD / COBOL
  *DSLIST
```

IBMUSER.WORKBOOK.COBOL(TSOCOMAN)

ISPF

Outros comandos de interesse

```
Command ===>                                                            S
000026   [NUMBER] ON / OFF STD / COBOL
000027    LIGA A NUMERACAO AUTOMATICA NA EDICAO DE ARQUIVOS
000028
000029   [AUTONUM]
000030    RENUMERA AUTOMATICA O ARQUIVO DE EDICAO
000031
000032   [START]
000033    CRIA UMA NOVA JANELA DE EDICAO NA IDE TSO
000034
000035   [SPLIT]
000036    DIVIDE A JANELA EM DUAS VISOES DE ACORDO COM O CURSO
000037
000038  [UP]
000039   SOBE UMA PAGINA / CSR DE TELA
000040
000041  [DOWN]
000042   DESCE UMA PAGINA / CSR DE TELA
000043
000044  [SWAP] START
000045   NAVEGA NA JANELAS ATIVA NA SESSAO
000046
000047  [SWAPLIST]
000048   EXIBE UMA TELA COM TODAS AS JANELAS ATIVAS
000049
000050  [SWAPBAR]
000051   EXIBE NA LINHA 24 ATALHO PARA AS JANELAS ATIVAS
000052
```

IBMUSER.WORKBOOK.COBOL(TSOCOMAN)

ISPF

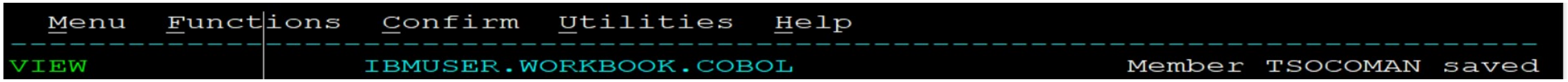
Outros comandos de interesse

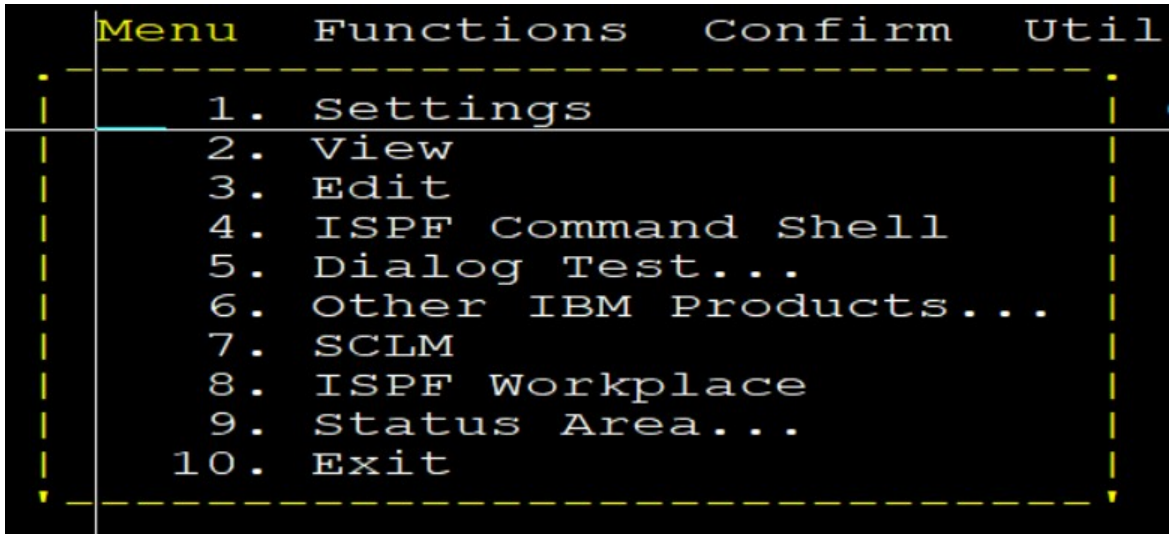
```
Command ===>                                                  Scroll ===> CSR
000052
000053 [SCRNAME] NOME
000054  RENOMEIA UMA JANELA, UTIL PARA A NAVEGACAO
000055
000056 [RESET]  [RES]
000057  LIMPA A JANELA ATIVA, ELIMINANDO WARNINGS E SUJEIRAS
000058
000059 [SUB]
000060  SUBMETE UM JCL PARA A EXECUCAO
000061
000062 [SAVE]
000063  SALVE UM ARQUIVO EM EDICAO
000064
000065 [SRCHFOR] ATRIBUTO
000066  PESQUISA NA BIBLIOTECA UMA DETERMINADA VARIAVEL
000067
000068 ******************************** FIM DO ARQUIVO ********************************
****** ******************************** Bottom of Data ********************************
```

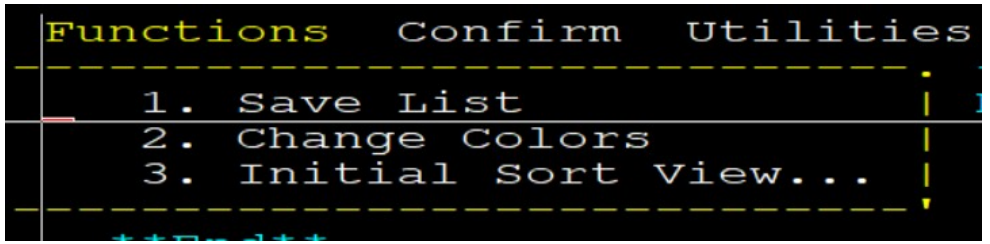
IBMUSER.WORKBOOK.COBOL(TSOCOMAN)

ISPF

Barra de Ferramentas ISPF







ISPF

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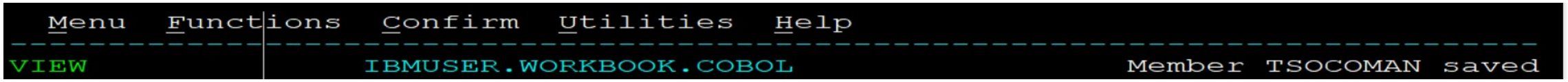
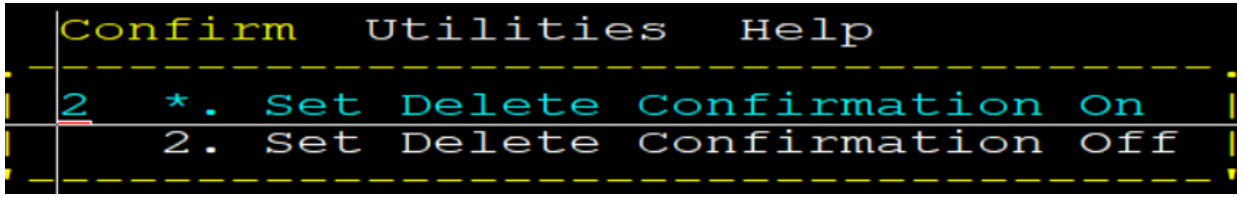
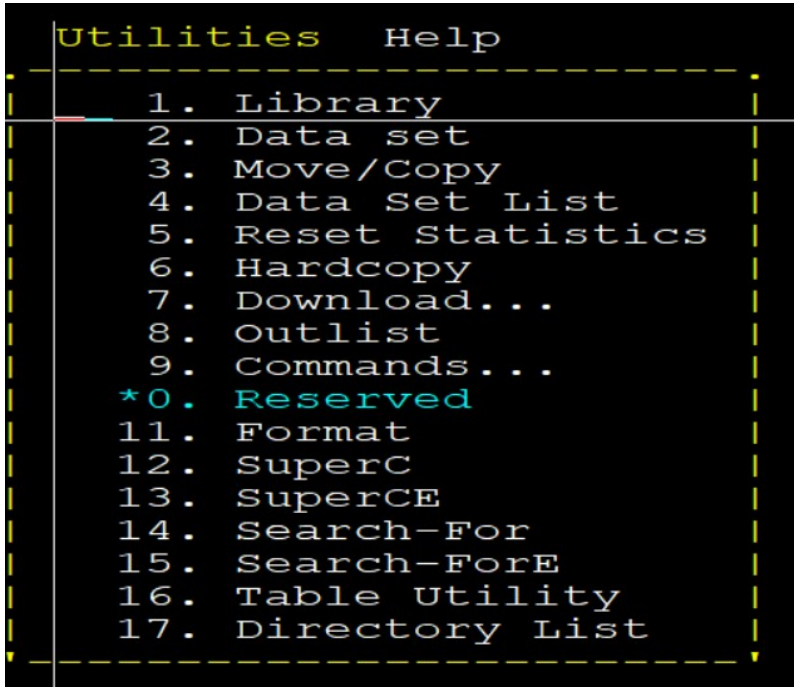
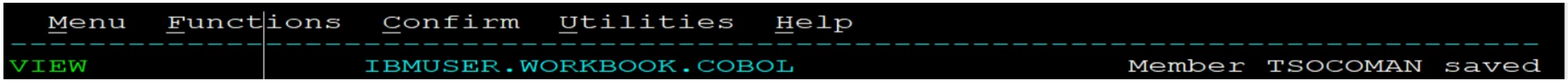






ISPF

Barra de Ferramentas ISPF



COBOL

DUVIDAS

Vamos conversar e tirar duvidas...