bjcn42.text.txt Aug 7 1997 15:15:39

42 LON COMPUTER JADE

REDTVA **** THE SUBROUTINES REDONE AND

25.08 1980 J.OLSSON

PERFORMANCE OF THE CUTS NORMALLY APPLIED IN THE JADE REDUCT AND REDUCZ STEPS (SEE JADE COMPUTER NOTES 27 AND 43). THESE REDUCTION STEPS ARE STANDABLY PERFORMED IN SEPARATE PROCEAMS AND USE THE FULL JADE SUPERVISOR STRUCTURE. TO SIMULATE FREEDERS STEPS IN THE SELECTION OF EVERTING STRUCTURE. TO SIMULATE THESE STEPS IN THE SELECTION OF EVERTING JOBS AS THEY STAND. PRESENTLY, THESE CUTS ARE OFTEN IMPOSED IN A LOOSE WAX. F. G. BY REQUIRING A MINIMUM TRANSVERS ENDROUTINES REDOME AND USEDUZA AND WERSING OF THE SUBROUTINES REDOME AND USEDUZA AND GAN BE USED OUTSIDE THE SUBRICULURE. AS A STEP IN AN EVENT SELECTING PROGRAM. THIS IS NOT ONLY USEFUL WHEN SELECTING EVENTS FROM A MONTE CARLO SAMPLE, BUT ALSO IF ONE WISHEST TO APPLY THE NEW REDUCT CUTS TO OLDER AND MORE LOOSELY SELECTING SAMPLES. SECONDLY, THE USES ROUTINES ASSURES THE EXACT SIMULATION OF THE REDUCT AND MORE THESE SUBROUTINES HAVE BEEN CREATED IN ORDER TO SIMPLIFY THE

CALLING SEQUENCE FOR R E D O N E:

CALL REDONE (INDRJ, LBWRT, IWRT)

ACCEPT INDEX
REDUC1 WRITE FLAG REJECTION INDEX INDE THE ARGUMENTS:

IWRT

INDRA = 0 IF EVENT IS ACCEPTED, NONZERO FOR REJECT
LBWRT = 0 IF EVENT IS REJECTED, NONZERO FOR ACCEPT
THE VARIOUS REJECT AND ACCEPT CONDITIONS ARE RETURNED IN THE VALUES
OF THESE TWO PARAMETERS. INRT IS THE STANDARD WRITE FLAG IN REDUCI, BEING SET FOR TAGGED EVENTS, HIGH ENERGY EVENTS AND OVERFLOW EVENTS.

OBS.. THE SUBROUTINE REDONE CAN ONLY BE CALLED WHEN PATTERN

RECOGNITION HAS BEEN PERFORMED.

REDONE IS A SHELFRAN SUBROUTINE, LIKE THE SUBROUTINE USREDUCL. IT HAS A BLOCK DATA ATTACHED:

COMMON /CREDON/LIMHIT, LIMHT1, CRVTAG, CRVNTG DATA IPRI /0/ DATA LIMHIT/12/, LIMHT1/20/ DATA CRVTAG/.00150/, CRVNTG/.00025/ COMMON /CIPRI/IPRI BLOCK DATA

THE VARIABLE IPRI IS A PRINT VARIABLE. IF IPRI > 0, A PRINTED LINE IS PRODUCED FOR EACH CALL, TELLING THE REASON FOR THE REJECT OR

CALLING SEQUENCE FOR R E D T V A:

CALL REDIVA(LBWRI, INDRJ, IWRI, IFIG, IAC, IFLW, IPRO)

ACCEPT INDEX
REDUCZ WRITE FLAG REJECTION INDEX INDRJ LBWRT IWRT THE ARGUMENTS:

bjcn42.text.txt Aug 7 1997 15:15:39

Page 1

Page 2

IFTG, IAC, IFLW ARE FLAGS FOR SETTING IWRT, SEE JADE COMPUTER NOTE 43.

PRINT VARIABLE

INDRJ = 0 IF EVENT IS ACCEPTED, NONZERO FOR REJECT LBWRT = 0 IF EVENT IS REJECTED, NONZERO FOR ACCEPT THE VARIOUS REJECT AND ACCEPT CONDITIONS ARE RETURNED IN THE VALUES PRINT IS PRODUCED FOR EACH CALL, TELLING THE REASON OF THESE TWO PARAMETERS. IF IPRO > 0, PRINT IS PR

FOR REJECT OR ACCEPT.

OBS., THE SUBROUTINE REDTVA CAN ONLY BE CALLED WHEN PATTERN RECOGNITION AND CLUSTER ANALYSIS HAVE BEEN PERFORMED (CORRESPONDING TO LEVEL 6 IN THE SUPERVISOR).

REDTVA IS A FORTRAN SUBROUTINE, LIKE THE SUBROUTINE USREDUC2. IT HAS A BLOCK DATA ATTACHED:

COMMON /CREDIV/ CRVLIM, LMHITS, RELIM, RELIMI, RATLIM, COSCUT, ZVTXLM, S ZVXLMI, ZVXLMZ, FTOTLM, ETOTKE, ETCYKE, ETEIKE, ETEZKE, ZMLIM, FIDEL, \$ XLM, YLM, ZLM, ERGL, ETAGLM, FTOTCT, TSUMC1, TSUMC2 DATA ETAGLM /100./
DATA ETAGLM /100./
DATA ETAGLM /100./
DATA ETAGLM /100./
DATA RELIM /30./
DATA RELIM /30./
DATA RATLIM /30./
DATA RATLIM /30./
DATA ZMIN /350./
DATA ZUN /350./
DATA ZUN /350./ ETOTIM /5000./ /3500./ DATA RPIIMI/10./
DATA RATLIM / 20/
DATA RIDEL / 200/
DATA ZIM / 350./
DATA ZIM / 350./
DATA ZIM / 350./
DATA ZIM / 350./
DATA ZVXIM / 500./
DATA ETOTRP / 7000./
DATA ETOTRP / 4000./
DATA ETEIRP / 4000./
DATA TSUMCI / 30./
DATA TSUMCI / 30./ /7000./ /2005/ DATA ERGL /.200/ BLOCK DATA

THE SUBROUTINES REDONE AND REDIVA AND THEIR ASSOCIATED HELPROUTINES ARE FOUND ON THE GENERAL LIBRARIES: F11LHO.JADEGS AND F11LHO.JADEGL

