CREATE OR REPLACE PACKAGE pck\_sfp IS

PROCEDURE inicializa(p\_processos IN NUMBER

,p\_tempo IN NUMBER);

PROCEDURE processar;

PROCEDURE set\_new\_processo(p\_ciclo\_cpu IN NUMBER);

PROCEDURE set\_processo\_hist(p\_pid IN NUMBER

,p\_estado IN VARCHAR2

,p\_ciclos IN NUMBER

,p\_ciclo\_cpu IN NUMBER);

PROCEDURE set\_fila\_apto(p\_pid IN NUMBER);

PROCEDURE set\_fila\_apto\_esperando;

PROCEDURE set\_fila\_executando(p\_pid IN NUMBER);

PROCEDURE set\_fila\_destruido(p\_pid IN NUMBER);

PROCEDURE set\_fila\_hd(p\_pid IN NUMBER

,p\_ciclos IN NUMBER

,p\_ciclo\_cpu IN NUMBER);

PROCEDURE set\_fila\_video(p\_pid IN NUMBER

,p\_ciclos IN NUMBER

,p\_ciclo\_cpu IN NUMBER);

PROCEDURE set\_fila\_impressora(p\_pid IN NUMBER

,p\_ciclos IN NUMBER

,p\_ciclo\_cpu IN NUMBER);

PROCEDURE set\_fila\_hd\_hist(p\_cod\_fila IN NUMBER

,p\_ciclo\_cpu IN NUMBER

,p\_pid IN NUMBER

,p\_ciclos IN NUMBER);

PROCEDURE set\_fila\_video\_hist(p\_cod\_fila IN NUMBER

,p\_ciclo\_cpu IN NUMBER

,p\_pid IN NUMBER

,p\_ciclos IN NUMBER);

PROCEDURE set\_fila\_impressora\_hist(p\_cod\_fila IN NUMBER

,p\_ciclo\_cpu IN NUMBER

,p\_pid IN NUMBER

,p\_ciclos IN NUMBER);

PROCEDURE set\_estado\_criacao(p\_pid IN NUMBER

,p\_estado IN VARCHAR2);

PROCEDURE set\_ciclos\_hd;

PROCEDURE set\_ciclos\_video;

PROCEDURE set\_ciclos\_impressora;

PROCEDURE set\_log\_pid(p\_ciclo\_cpu IN NUMBER

,p\_pid IN NUMBER

,p\_ciclo\_pid IN NUMBER

,p\_estado IN VARCHAR2

,p\_acao IN VARCHAR2);

FUNCTION get\_estado(p\_pid IN NUMBER) RETURN VARCHAR2;

FUNCTION get\_ciclos\_criacao(p\_pid IN NUMBER) RETURN NUMBER;

FUNCTION get\_reg\_executando RETURN BOOLEAN;

PROCEDURE set\_ciclos\_criacao(p\_pid IN NUMBER);

FUNCTION existe\_reg\_hd RETURN BOOLEAN;

FUNCTION existe\_reg\_video RETURN BOOLEAN;

FUNCTION existe\_reg\_impressora RETURN BOOLEAN;

FUNCTION get\_sum\_ciclos\_pid RETURN NUMBER;

FUNCTION get\_sum\_ciclos\_hd RETURN NUMBER;

FUNCTION get\_sum\_ciclos\_video RETURN NUMBER;

FUNCTION get\_sum\_ciclos\_impressora RETURN NUMBER;

PROCEDURE deleta\_pid\_apto(p\_pid NUMBER);

PROCEDURE deleta\_pid\_executando(p\_pid NUMBER);

PROCEDURE deleta\_pid\_hd(p\_pid NUMBER);

PROCEDURE deleta\_pid\_video(p\_pid NUMBER);

PROCEDURE deleta\_pid\_impressora(p\_pid NUMBER);

PROCEDURE relatorio\_final(p\_ciclos\_cpu IN NUMBER);

END pck\_sfp;