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STRING PROMPT = "Chcete spustit dokonceni sten v Z?"
BOOL MOVE = 0
$MOVE = QUERY $PROMPT
IF $MOVE == 1 {

IMPORT TEMPLATE ENTITY TOOLPATH TMLTSELECTORGUI
"C:/Users/Antonin/Desktop/TOM/knihovny/strategie/Dokonceni sten v Z - diplomka.ptf"

EDIT PAR 'AreaClearance.Rest.ReferenceType' 'stockmodel'
EDIT PAR 'StockModelState.StockModel' "Stock"
EDIT STOCKMODEL 'Stock' ACTIVATE INDEXED_STATE '2'
FORM ACCEPT SFAreaClearance

STRING ARRAY Options[] = {"Vyberte hranici z PC","Vytvorte hranici manualne","Draha
nastroju bez vytvorených hranic"}
INT $Option = INPUT CHOICE Options "Vyberte možnost pro tvorbu hranic"

SWITCH Option {
    //Vyberte hranici z PC
    CASE 0
        STRING filename = "C:\Users\Antonin\Desktop\TOM\knihovny\prvky"
        $filename = FILESELECT "Please select a border"
        CREATE BOUNDARY "select_from_pc" SKETCH FORM BOUNDARY
        STRING $dC = "EDIT BOUNDARY 'select_from_pc' INSERT FILE FILEOPEN "
+ "'" + filename + "'"
        DOCOMMAND $dC
        EDIT BOUNDARY "select_from_pc" ACCEPT BOUNDARY ACCEPT
        ACTIVATE BOUNDARY "select_from_pc" //import border to editing
toolpath
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
    //vytvorte hranici manualně
    CASE 1
        CREATE BOUNDARY "create_manually" SKETCH FORM BOUNDARY
        EDIT BOUNDARY "create_manually" CURVEEDITOR START
        MACRO PAUSE "Vytvorte hranici a pote stisknete pokračovat."
        CURVEEDITOR FINISH ACCEPT
        EDIT BOUNDARY "create_manually" ACCEPT BOUNDARY ACCEPT
        ACTIVATE BOUNDARY "create_manually" //import border to editing
toolpath
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
    //netvořit hranici
    CASE 2
        ACTIVATE BOUNDARY " " //use without border
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
}

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RENAME TOOLPATH ; "Dokončení v Z"
EDIT PAR 'MachineTool' "MCV1210_s_ramem"
EDIT TOOLPATH "Dokončení v Z" CALCULATE
FORM ACCEPT SFConstZFinishing

EDIT STOCKMODEL ; INSERT_INPUT TOOLPATH "Dokončení v Z" LAST

FORM ACCEPT SFAreaClearance
EDIT PAR 'AreaClearance.Rest.ReferenceType' 'stockmodel'
EDIT PAR 'StockModelState.StockModel' "Stock"

FORM ACCEPT SFAreaClearance
}

STRING ASK = "Chcete spustit dokončení rovin?"
BOOL PICK = 0
$PICK = QUERY $ASK
IF $PICK == 1 {

IMPORT TEMPLATE ENTITY TOOLPATH TPLTSELECTORGUI
"C:/Users/Antonin/Desktop/TOM/knihovny/strategie/Dokončení ploch - diplomka.ptf"

STRING ARRAY Options[] = {"Vyberte hranici z PC", "Vytvořte hranici manuálně", "Draha
nastroju bez vytvářených hranic"}
INT $Option = INPUT CHOICE Options "Choose an option for border"

SWITCH Option {
    //Vyberte hranici z PC
    CASE 0
        STRING filename = "C:\Users\Antonin\Desktop\TOM\knihovny\prvky"
        $filename = FILESELECT "Please select a border"
        CREATE BOUNDARY "please_select_from_pc" SKETCH FORM BOUNDARY
        STRING $dC = "EDIT BOUNDARY 'please_select_from_pc' INSERT FILE
FILEOPEN " + '"' + filename + '"'
        DOCOMMAND $dC
        EDIT BOUNDARY "please_select_from_pc" ACCEPT BOUNDARY ACCEPT
        ACTIVATE BOUNDARY "please_select_from_pc" //import border to
editing toolpath
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
    //Vytvořte hranici manuálně
    CASE 1
        CREATE BOUNDARY "create_manually_2" SKETCH FORM BOUNDARY
        EDIT BOUNDARY "create_manually_2" CURVEEDITOR START
        MACRO PAUSE "Draw a border and then press accept."
        CURVEEDITOR FINISH ACCEPT
        EDIT BOUNDARY "create_manually_2" ACCEPT BOUNDARY ACCEPT

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toolpath      ACTIVATE BOUNDARY "create_manually_2"    //import border to editing
              EDIT TOOLPATH ; CALCULATE              //calculate the active toolpath
              BREAK
              //Bez tvorby hranic
              CASE 2
                ACTIVATE BOUNDARY " "                //use without border
                EDIT TOOLPATH ; CALCULATE              //calculate the active toolpath
                BREAK
              }

```

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RENAME TOOLPATH ; "Dokonceni rovin"
EDIT PAR 'MachineTool' "MCV1210_s_ramem"
EDIT TOOLPATH "Dokonceni rovin" CALCULATE
FORM ACCEPT SFOffsetFinFlat
EXPLORER SELECT Toolpath "Toolpath\Dokonceni rovin" NEW
DRAW Toolpath "Dokonceni rovin"
EXPLORER SELECT Toolpath "Toolpath\Dokonceni rovin" NEW
UNDRAW Toolpath "Dokonceni rovin"

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EDIT STOCKMODEL ; INSERT_INPUT TOOLPATH "Dokonceni rovin" LAST

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FORM ACCEPT SFAreaClearance
}

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//Dokonceni strme a plosne

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STRING ASK_2 = "Chcete spustit dokonceni strme a plosne?"
BOOL PICK_2 = 0
$PICK_2 = QUERY $ASK_2
IF $PICK_2 == 1 {

```

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IMPORT TEMPLATE ENTITY TOOLPATH TMLTSELECTORGUI
"C:/Users/Antonin/Desktop/TOM/knihovny/strategie/dokonceni Velkych kapes
diplomka.ptf"

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STRING ARRAY Options[] = {"Vyberte hranici z PC","Vytvorte hranici manualne","Draha
nastroju bez vytvorených hranic"}
INT $Option = INPUT CHOICE Options "Choose an option for border"

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SWITCH Option {
  //Vyberte hranici z PC
  CASE 0
    STRING filename = "C:\Users\Antonin\Desktop\TOM\knihovny\prvky"
    $filename = FILESELECT "Please select a border"
    CREATE BOUNDARY "please_select_from_pc_" SKETCH FORM BOUNDARY
    STRING $dC = "EDIT BOUNDARY 'please_select_from_pc_' INSERT FILE
FILEOPEN " + '"' + filename + '"'

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        DOCOMMAND $dC
        EDIT BOUNDARY "please_select_from_pc_" ACCEPT BOUNDARY ACCEPT
        ACTIVATE BOUNDARY "please_select_from_pc_" //import border to
editing toolpath
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
        //Manuální tvorba
        CASE 1
            CREATE BOUNDARY "create_manually_3" SKETCH FORM BOUNDARY
            EDIT BOUNDARY "create_manually_3" CURVEEDITOR START
            MACRO PAUSE "Draw a border and then press accept."
            CURVEEDITOR FINISH ACCEPT
            EDIT BOUNDARY "create_manually_3" ACCEPT BOUNDARY ACCEPT
            ACTIVATE BOUNDARY "create_manually_3" //import border to editing
toolpath
        EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
        BREAK
        //bez hranic
        CASE 2
            ACTIVATE BOUNDARY " " //use without border
            EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
            BREAK
    }

    RENAME TOOLPATH ; "Dokončení strme a plosne"
    EDIT PAR 'MachineTool' "MCV1210_s_ramem"
    EDIT TOOLPATH "Dokončení strme a plosne" CALCULATE
    FORM ACCEPT SFConstZSShallow

    EDIT STOCKMODEL ; INSERT_INPUT TOOLPATH "Dokončení strme a plosne" LAST

    FORM ACCEPT SFAreaClearance
}

// strategie na prvky
STRING PROMPT_4 = "Chcete spustit obrabění prvku?"
BOOL MOVE_4 = 0
$MOVE_4 = QUERY $PROMPT_4
IF $MOVE_4 == 1 {

    IMPORT TEMPLATE ENTITY TOOLPATH TPLTSELECTORGUI
    "C:/Users/Antonin/Desktop/TOM/knihovny/strategie/Dokončení kapes.ptf"

    STRING ARRAY Options[] = {"Použit šablony s uloženými prvky", "Create feature manually"}
    INT $Option = INPUT CHOICE Options "Choose an option for border"

    SWITCH Option {
        //nevytváření hranic

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CASE 2
    ACTIVATE FEATUREGROUP "1" //pouziti sady prvku ze sablony
    EDIT TOOLPATH ; CALCULATE      //caltulate the active toolpath
    BREAK
//vytvořit hranice
CASE 1
    CREATE FEATUREGROUP "feature_create_manually"
    MODE FEATUREEDITOR START
    ACTIVATE FEATUREGROUP "feature_create_manually"
    MACRO PAUSE "Vytvorte prvky a stisknete pokračovat"
    MODE FEATUREEDITOR FINISH ACCEPT
    ACTIVATE FEATUREGROUP "feature_create_manually"
    EDIT TPFEATURES ALL_MACHINABLE

    EDIT TOOLPATH ; CALCULATE      //caltulate the active toolpath
    BREAK

```

```

}

```

```

RENAME TOOLPATH ; "Dokonceni prvku"
EDIT PAR 'MachineTool' "MCV1210_s_ramem"
EDIT TOOLPATH "Dokonceni prvku" CALCULATE
FORM ACCEPT SFFeatureFin

```

```

EDIT STOCKMODEL ; INSERT_INPUT TOOLPATH "Dokonceni prvku" LAST

```

```

FORM ACCEPT SFAreaClearance
EDIT PAR 'AreaClearance.Rest.ReferenceType' 'stockmodel'
EDIT PAR 'StockModelState.StockModel' "Stock"

```

```

FORM ACCEPT SFAreaClearance
}

```

```

STRING PROMPT_5 = "Chcete spustit Dokonceni mezi krivky?"
BOOL MOVE_5 = 0
$MOVE_5 = QUERY $PROMPT_5
IF $MOVE_5 == 1 {

```

```

IMPORT TEMPLATE ENTITY TOOLPATH TMLTSELECTORGUI
"C:/Users/Antonin/Desktop/TOM/knihovny/strategie/Dokonceni lemu.ptf"

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    EDIT PARAMETRIC_OFFSET START_CURVE_REF CREATE
    CREATE PATTERN "create_manually_start"
    EDIT PATTERN "create_manually_start" CURVEEDITOR START
    MACRO PAUSE "Draw a first border and then press accept."
    CURVEEDITOR FINISH ACCEPT

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EDIT PARAMETRIC_OFFSET START_CURVE_REF "create_manually_start"
```

```
EDIT PARAMETRIC_OFFSET END_CURVE_REF CREATE  
CREATE PATTERN "create_manually_end"  
EDIT PATTERN "create_manually_end" CURVEEDITOR START  
MACRO PAUSE "Draw a second border and then press accept."  
CURVEEDITOR FINISH ACCEPT  
EDIT PARAMETRIC_OFFSET END_CURVE_REF "create_manually_end"
```

```
EDIT PAR 'MachineTool' "MCV1210_s_ramem"  
EDIT TOOLPATH ; CALCULATE //calculate the active toolpath
```

```
RENAME Toolpath ; "Dokonceni mezi krivky"  
FORM ACCEPT SFOffsetFinPara  
UNDRAW Toolpath "Dokonceni mezi krivky"  
FORM ACCEPT SFAreaClearance  
EDIT STOCKMODEL ; INSERT_INPUT TOOLPATH "Dokonceni mezi krivky" LAST  
}
```

```
EDIT STOCKMODEL "Stock" CALCULATE
```