

```

ROTX 90
ROTY 90

GOSUB "str_r1"

  GOSUB "str_pie_1"

  GOSUB "str_pie_2"

  GOSUB "str_r2"

  GOSUB "str_pie_3"

  GOSUB "str_pie_4"

GOSUB "str_r3"

GOSUB "triang_arr"

END

```

```

"str_r1":
  GROUP "sot_tri_r1"
  TRANS .....
  PRISM .....
  RESTORE 1
  GROUP_END

  GROUP "tri_r1"
  FOR n = 1 TO ped_num_r1
    GOSUB "triang_r1"
    TRANS ....
  NEXT
  RESTORE ped_num_r1
  GROUP_END

  res1 = ""
  res1 = GROUP_UNION ( "sot_tri_r1", "tri_r1" )
  !GROUP_PLACE res1 (I don't place group res1)
  RETURN


"triang_r1":
  TRANS .....
  PRISM .....
  RESTORE 1
  RETURN

"str_pie_1":
  GROUP "pie_1"
  TRANS .....
  PRISM .....
  RESTORE 1
  GROUP_END


  res1 = GROUP_UNION ( res1, "pie_1" )
  !GROUP_PLACE res1 (I don't place group res1)
  RETURN

```

```
"str_pie_2":  
  GROUP "pie_2"  
  TRANS ....  
  ROTX ....  
    PRISM ....  
  RESTORE 2  
  GROUP_END  
  res1 = GROUP_UNION ( res1, "pie_2" )  
  GROUP_PLACE res1 ( ! place group res1 )  
  RETURN
```




```
"str_r2":  
  TRANS ....  
  ROTY ....  
  
  GROUP "sot_tri_r2"  
  TRANS ....  
  PRISM ....  
  
  PRISM ....  
  
  RESTORE 1  
  GROUP_END  
  
GROUP "tri_r2"  
  FOR n = 1 TO ped_num_r2  
    GOSUB "triang_r2"  
    TRANS ....  
  NEXT  
  RESTORE ped_num_r2  
  
  GROUP_END  
  
  res2 = GROUP_UNION ( "sot_tri_r2", "tri_r2" )  
  !GROUP_PLACE res2 ( ! don't place group res2 )  
  
  RETURN
```




```
"triang_r2":  
  TRANS ....  
  PRISM ....  
  RESTORE 1  
  RETURN
```

```
"str_pie_3":  
  GROUP "pie_3"  
  
  TRANS ....  
  
  PRISM ....  
  RESTORE 1  
  GROUP_END  
  res2 = GROUP_UNION ( res2, "pie_3" )  
  RETURN
```



```
"str_pie_4":  
  GROUP "pie_4"  
  TRANS ....  
  ROTX ....  
  PRISM ....  
  
  RESTORE 2  
  GROUP_END  
  
  res2 = GROUP_UNION ( res2, "pie_4" )  
  GROUP_PLACE res2 ( ! place group res2 )
```



RETURN

"str_r3":

TRANS
ROTY
GROUP "sot_tri_r3"
TRANS
PRISM

PRISM

RESTORE 1
GROUP_END

GROUP "tri_r3"
FOR n = 1 TO ped_num_r3 - 1
 GOSUB "triang_r3"
 TRANS
NEXT
RESTORE ped_num_r3 - 1
GROUP_END
res3 = GROUP_UNION ("sot_tri_r3", "tri_r3")
!GROUP_PLACE res3 (I don't place group res3)

RETURN

"triang_arr":

GROUP "tri_ar_r3"
TRANS
PRISM
RESTORE 5
GROUP_END

res3 = GROUP_UNION (res3, "tri_ar_r3")
GROUP_PLACE res3 (I place group res3)

RETURN