

```

config extra 5
tit
Plane Strain Simulation
grid 15 17
mod mo
mo null i 1 5 j 8 17
gen 0 -15 0 0 12 0 12 -15 i 1 6 j 1 8
gen s s 80 0 80 -15 rat 1.1 1 i 6 16 j 1 8
gen s 24.5 25 80 25 s rat 1.1 1 i 6 16 j 8 18
fix x i 1
fix x y j 1
fix x i 16
pro bul 2e8 she 1e8 den 2500 fric 45 coh 1e6 ten 1e6
set grav 10
water den 1000
table 1 0 0 12 0 18.25 12.5 25 17 35 21 50 24 74.5 25 80 25
water table 1
def ini_dens
  loop i (1,izones)
    loop j (1,jzones)
      if pp(i,j) # 0 then
        density(i,j) = 2600.
      end_if
    end_loop
  end_loop
end
ini_dens
ini syy -1e6 var 0 1e6
ini sxx -1e6 var 0 1e6
ini szz -1e6 var 0 1e6
his unbal
hist xd i 6 j 18
hist yd i 6 j 18
solve
save sl_ps1.sav
ini xd 0 yd 0
ini xv 0 yv 0
pro coh 3.7e4
step 1250
save sl_ps2.sav
set out slps1.plt
plot pen h 2 3
set out slps2.plt
plot pen bou ydisp z fill abs

```

```
tit  
flac model grid  
set out slgria.plt  
plot pen grid water iwhite  
ret
```