

bottom layer

intermediate odd layer

intermediate even layer

top layer

adjacent elements.

(1) bottom layer.

start  
 $pn+npb$   
 $pn+npb+1$   
 $pn+1$

intermediate

$pn-1$   
 $pn+1$

$pn+npb$   
 $pn+npb+1$

end

$pn-1$   
 $pn+npb$   
 $pn+npb+1$

top layer odd.

start  
 $pn-npb$ ,  $pn-npb-1$   
 $pn+npb+1$

intermediate  
 $pn-1$ ,  $pn+1$   
 $pn-npb$ ,  $pn-npb-1$

end  
 $pn-1$ ,  $pn+1$   
 $pn-npb$ ,  $pn-npb-1$

top layer even

start  
 $pn+1$ ,  $pn+npb$

intermediate  
 $pn-1$ ,  $pn+1$   
 $pn-npb$ ,  $pn-npb-1$

intermed odd layer.

start.

$pn+1$   
 $pn+npb$   
 $pn-npb-1$   
 $pn+npb+1$   
 $pn-npb$

intermediate

$pn+1$

$pn-1$

$pn+npb$   
 $pn+npb+1$   
 $pn-npb$

$pn-1$   
 $pn+npb-1$

end

$pn-1$   
 $pn+npb-1$   
 $pn+npb$   
 $pn+npb+1$   
 $pn-1$

end

$pn-1$   
 $pn+npb-1$   
 $pn+npb$   
 $pn+npb+1$

$pn+1$

$pn-1$

intermediate

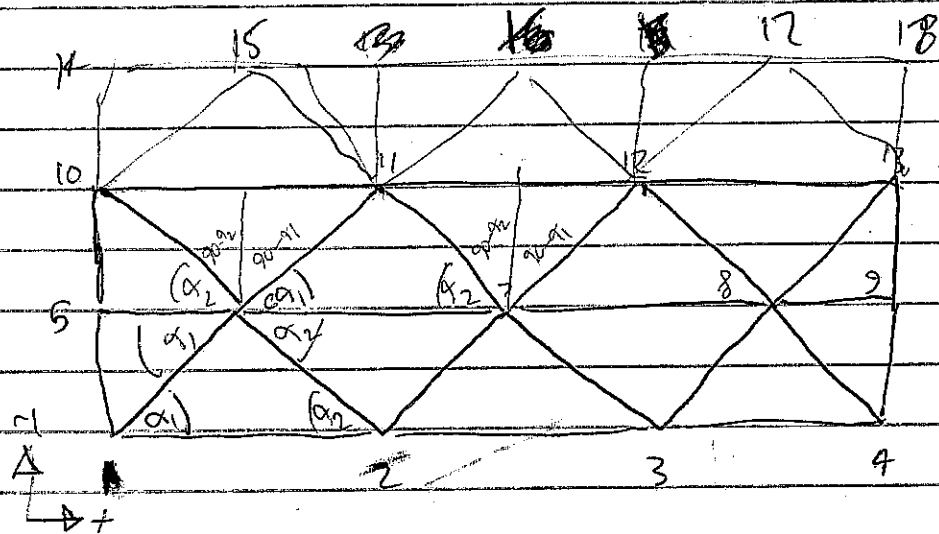
$pn-npb$

$pn+npb+1$

$pn+1$

start

(2) intermed odd layer.



$n$  layers

$n$  segs.

$$\frac{\alpha_1}{180 - \alpha_1}$$

end points.

1

$n \text{ seg} + 2$ .

~~layer~~  $2 * (n \text{ seg} + 2)$ .

first  $(\text{layer } n - 1) * (n \text{ seg} + 2)$ .

$\text{layer } n * (n \text{ seg} + 2)$ .

$2 * \text{layer } n * (n \text{ seg} + 2)$ .