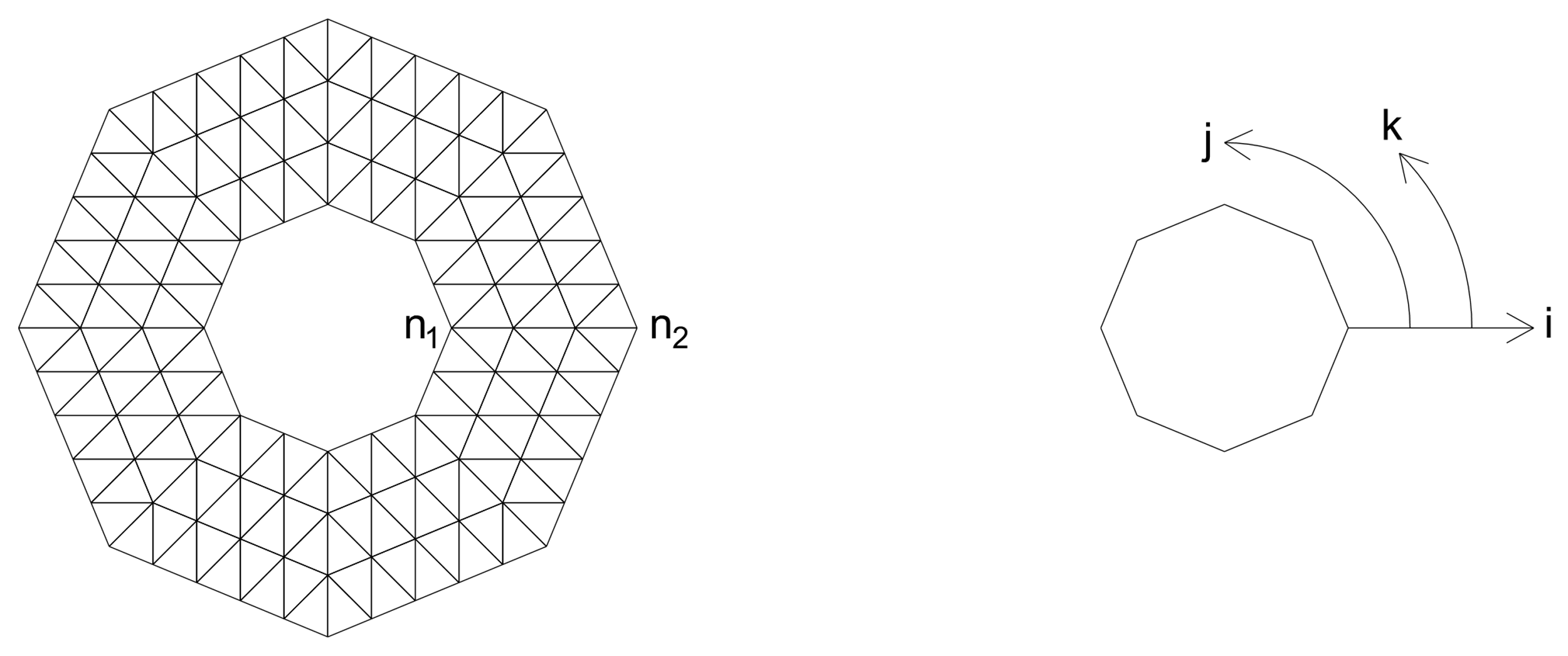
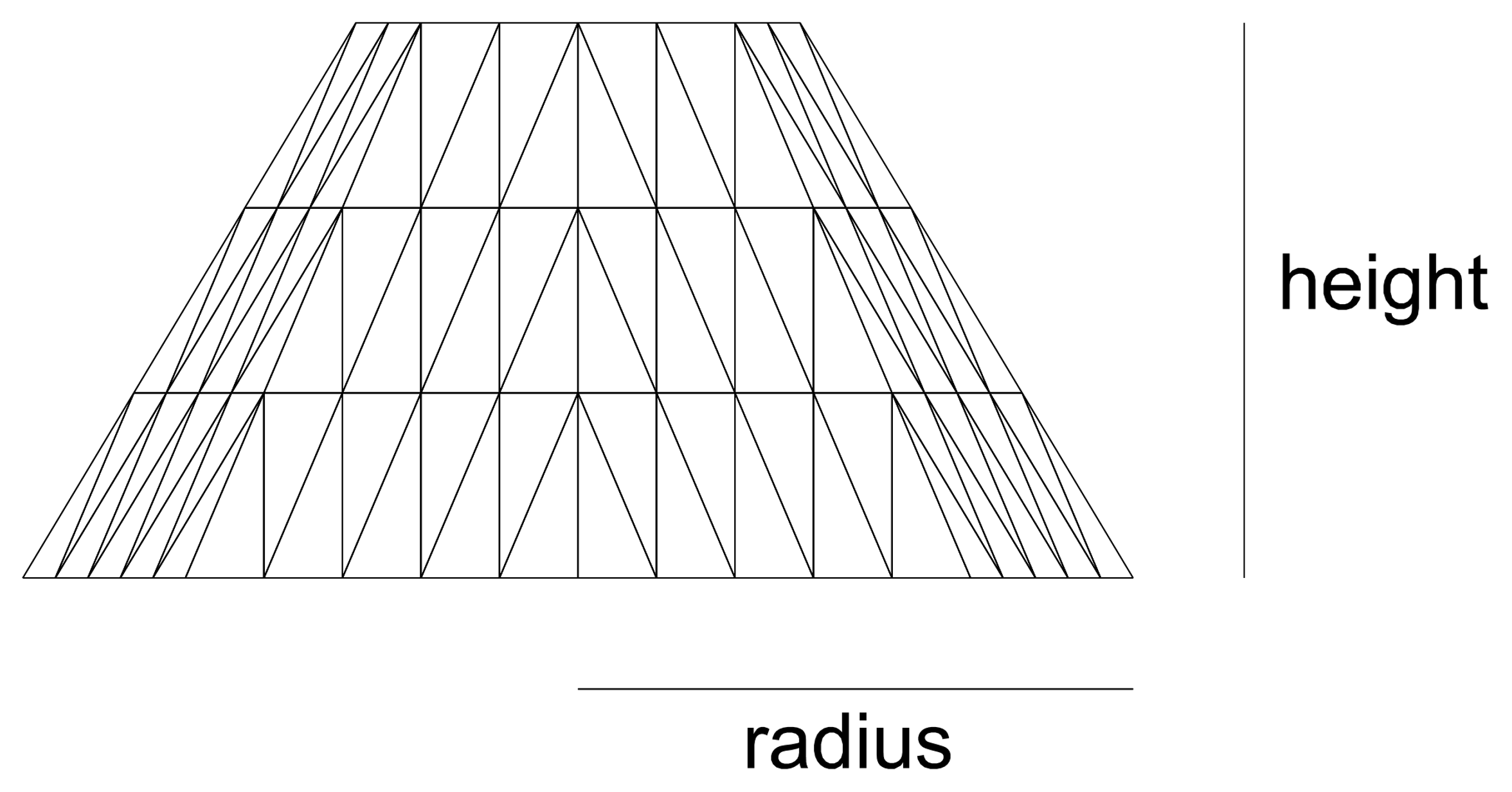
**Geometry**





 : number of sides of the basis polygon

 : radius

 : height



**Node number**





**Number of nodes**



**Coordinates of points along a radius**













**Coordinates**













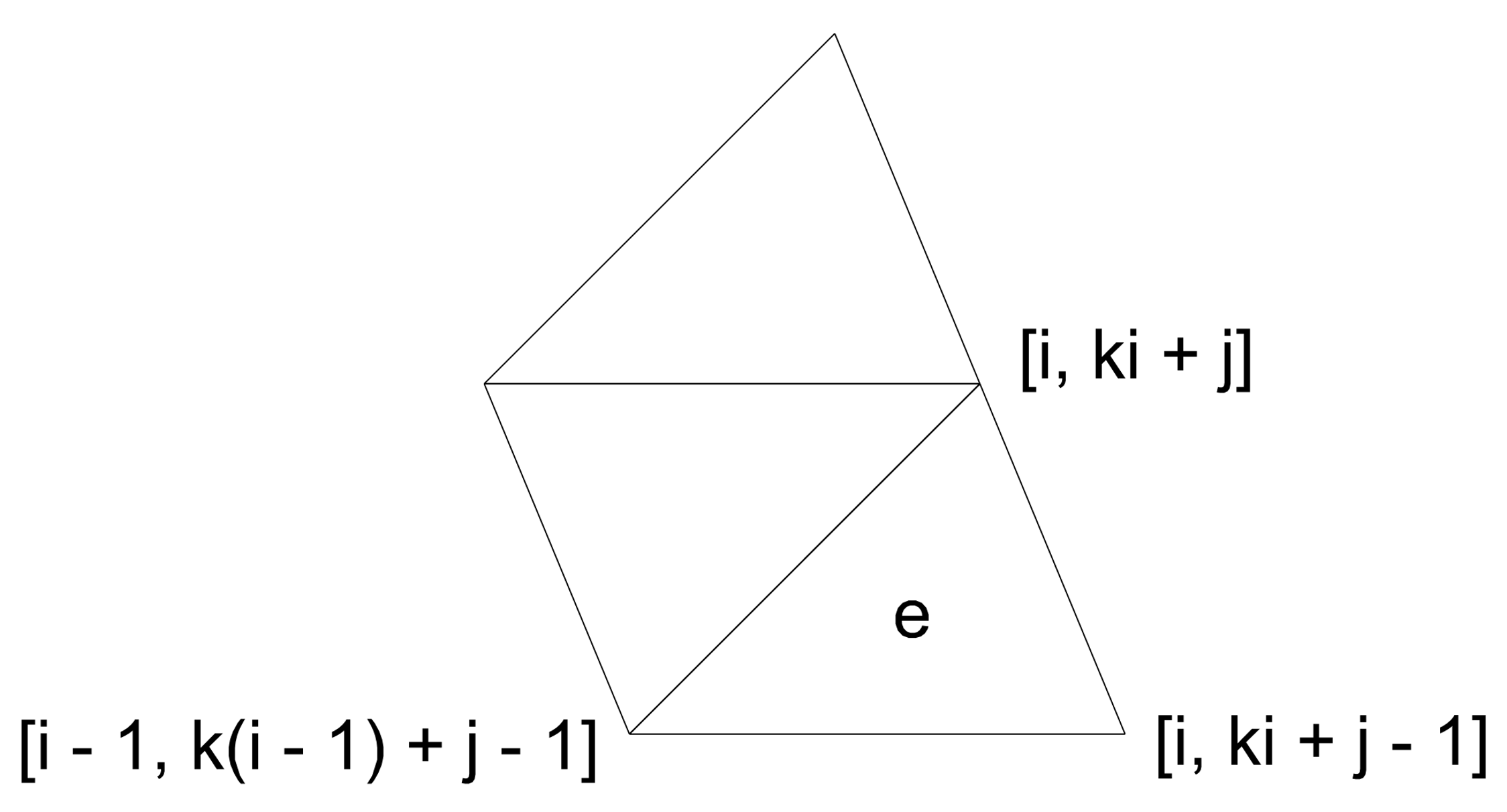


**Number of elements**



**Element connectivity**





for i in n1 + 1 .. n2 loop

for k in 0 .. (ns - 1) loop

for j in 1 .. i loop

e := e + 1;

elem2(e).glob(1) := node(i - 1,k \* (i - 1) + j - 1);

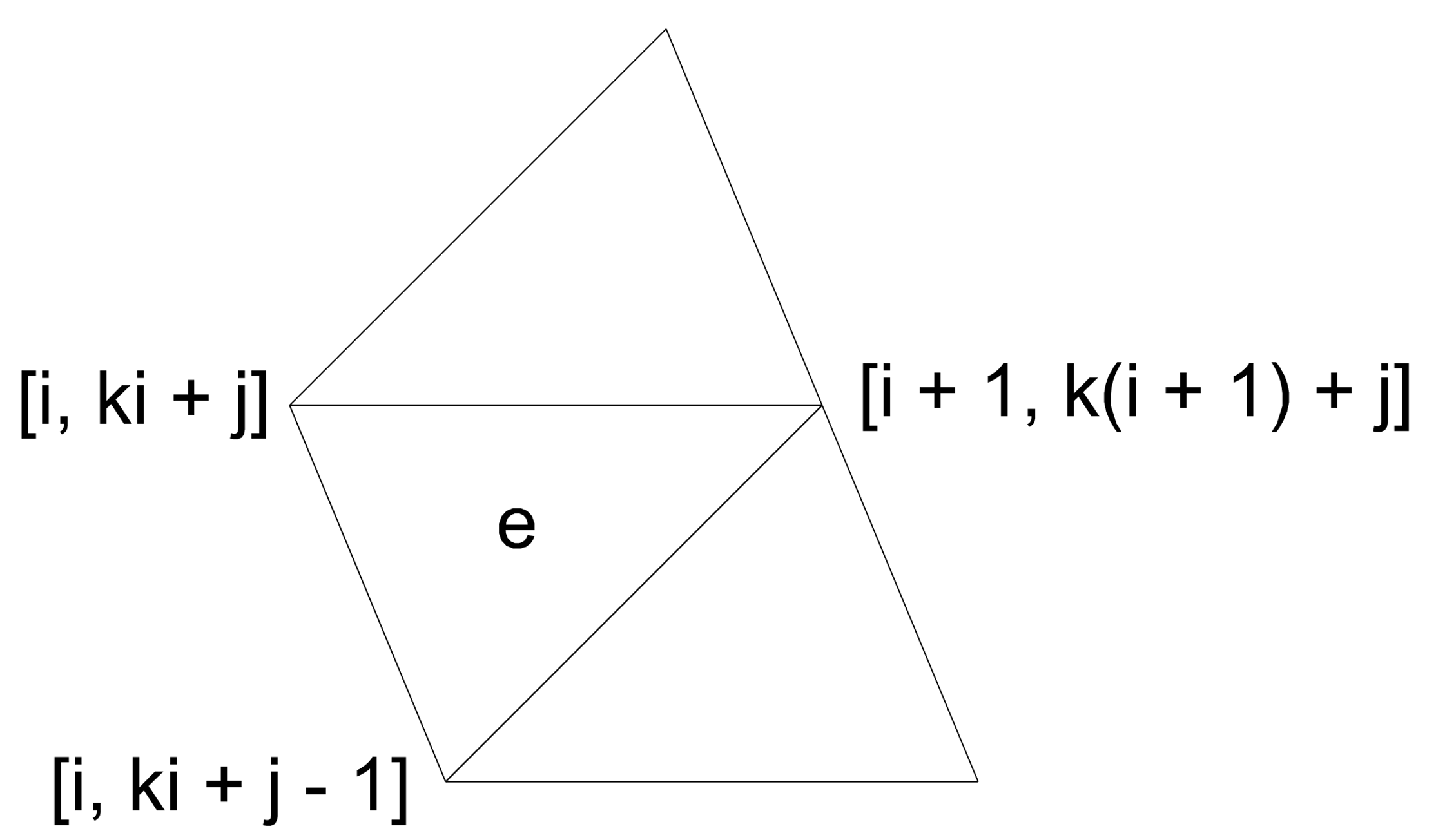
elem2(e).glob(2) := node(i,k \* i + j - 1);

elem2(e).glob(3) := node(i,k \* i + j);

end loop;

end loop;

end loop;



for i in n1 .. (n2 - 1) loop

for k in 0 .. (ns - 1) loop

for j in 1 .. i loop

e := e + 1;

elem2(e).glob(1) := node(i + 1,k \* (i + 1) + j);

elem2(e).glob(2) := node(i,k \* i + j);

elem2(e).glob(3) := node(i,k \* i + j - 1);

end loop;

end loop;

end loop;

end initia;