Oi

Zi

Wi

Oi-1

Zi-1

. . .

Wi+1

Oi+1

Zi+1

C

Bi

Bi+1

**(1)** and substitute from **(2)**

, and substitute from (1)

, when Oi=Zi

where ***C*** is the Cost (or Loss) function

or *Oi = Zi* when no activation applied

**(2)**

Apply the same logic to each previous node i-1, i-2, …, 1 using the gradient results of the next node: