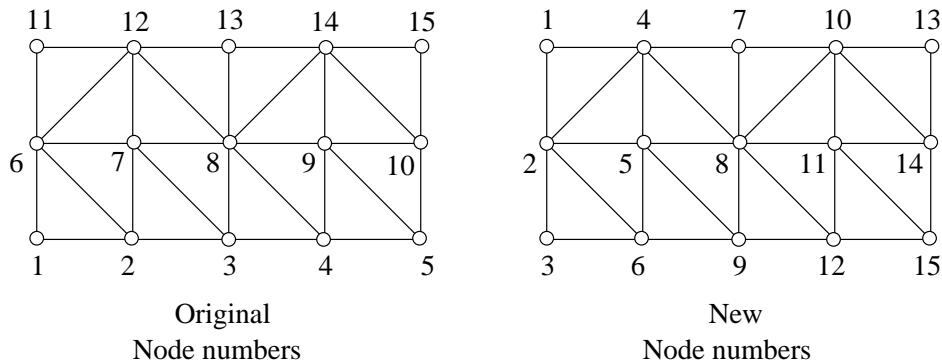


Solution: Problem 6.S8

The data files NODES and NWLD for the test problem are:

NODES			NWLD	
%	XORD	YORD	NPcode	%-----
%-----				
	0	0	4	3
	2	0	0	6
	4	0	0	9
	6	0	0	12
	8	0	2	15
	0	2	4	2
	2	2	0	5
	4	2	0	8
	6	2	0	11
	8	2	2	14
	0	4	4	1
	2	4	0	4
	4	4	0	7
	6	4	0	10
	8	4	2	13
%-----				5 % IB
				%-----

The following figure shows both the original node numbers and the new nodes.



Note, for example, that $NWLD(9) = 11$ corresponding to $NWLD(\text{old number}) = \text{new number}$ and that this is reflected in the two figures.