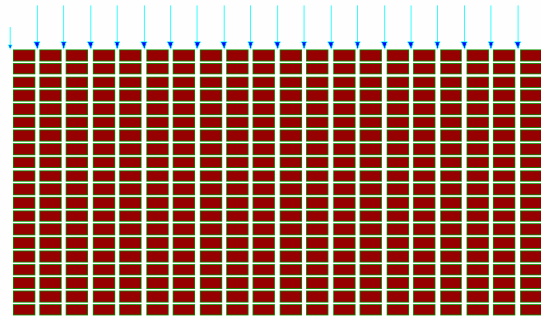


Comparison between Sargon, NXNASTRAN and NEiNASTRAN			
TEST 13	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	06/04/2007



	Sargon (Clever)	NXNASTRAN	Δ_{rel}	NEiNASTRAN	Δ_{rel}
Model Name	tes13.WSR	tes13000.dat		tes13.NAS	
Output file	tes13.CEN	tes13000.f06		tes13.OUT	
Q1	-5,105E-02	-5,100E-02	9,804E-04	-5,105E-02	0,000E+00
Q2	3,030E-02	3,027E-02	9,911E-04	3,030E-02	0,000E+00
Q3	-4,433E-01	-4,437E-01	-9,015E-04	-4,433E-01	0,000E+00
Q4	4,148E+00	4,144E+00	9,653E-04	4,148E+00	0,000E+00
Q5	-5,034E-01	-5,032E-01	3,975E-04	-5,034E-01	0,000E+00

Compared Values:

Q1 = Load Set 1 - Node 218 - Dy
 Q2 = Load Set 1 - Node 9 - Dx
 Q3 = Load Set 1 - Node 213 on element 176 - Sigma y
 Q4 = Load Set 1 - Node 213 on element 176 - Sigma x
 Q5 = Load Set 1 - Node 213 on element 176 - Tau xy

Translations: [mm] Stresses: [N/mm]

Δ_{rel} is computed between Sargon and NX and between Sargon and NEi (see introduction).

NXNASTRAN and NEiNASTRAN values are rounded up to 4 significant digits; in some cases the sign of stress is changed in order to use the same Sargon rule.