Comparison between Sargon, NXNASTRAN and NEiNASTRAN					
TEST 10 VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK				**Marco Croci**	**05/04/2007**
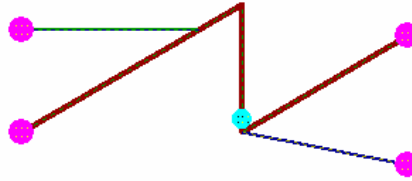
	Sargon (Clever)	NXNASTRAN	**Δrel**	NEiNASTRAN	**Δrel**
Model Name	tes10.WSR	tes10000.dat		tes10.NAS	
Output file	tes10.CEN	tes10000.f06		tes10.OUT	
Q1	−9,570E−03	−9,570E−03	0,000E+00	−9,570E−03	0,000E+00
Q2	−1,228E−02	−1,228E−02	0,000E+00	−1,228E−02	0,000E+00
Q3	−3,530E+02	−3,530E+02	0,000E+00	−3,530E+02	0,000E+00
Q4	2,108E+03	2,108E+03	0,000E+00	2,108E+03	0,000E+00

Compared Values:

Q1 = Load Set 1 – Node 9 – Dz

Q2 = Load Set 1 – Node 11 – Dz

Q3 = Load Set 1 – Element Truss 2 – Axial Force (End1)

Q3 = Load Set 1 – Element Beam 1 – Bending Moment M2 (End2)

Translations: [mm] Forces: [N] Moments [Nmm]

Δrel 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

sign of moment value is changed in order to use the same Sargon rule.