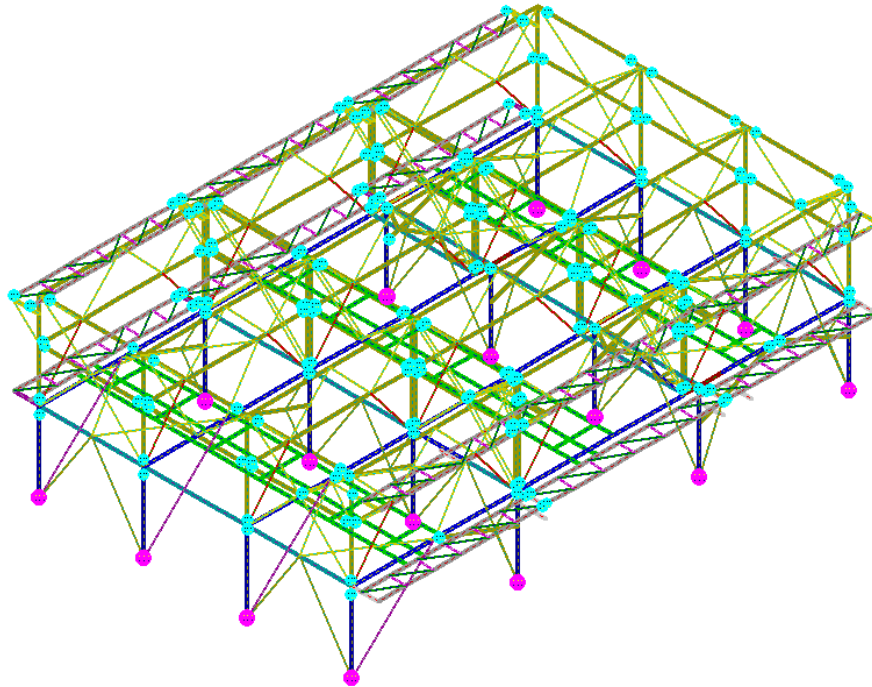


Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN					
TEST 20	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK			Marco Croci	10/02/2008



	Sargon (Clever)	NXNASTRAN	% err	NEiNASTRAN	% err
Model Name	tes20.WSR	tes20000.dat		tes20.NAS	
Output file	tes20.CEN	tes20000.f06		tes20.OUT	
Q1	-7,225E-01	-7,225E-01	0,00	-7,225E-01	0,00
Q2	-2,298E-04	-2,298E-04	0,01	-2,298E-04	0,00
Q3	-7,212E+04	-7,212E+04	0,00	-7,212E+04	0,00
Q4	-2,830E+04	-2,830E+04	-0,01	-2,830E+04	-0,01
Q5	-1,279E+03	-1,279E+03	0,00	-1,279E+03	0,00

Compared Values:

Q1 = Load Set 1 - Node 319 - Dz
 Q2 = Load Set 1 - Node 195 - Rx
 Q3 = Load Set 1 - Element Beam 4 - Axial Force (End 1)
 Q4 = Load Set 1 - Element Beam 378 - Moment x (End 1)
 Q5 = Load Set 1 - Node 28 - Force Tx on Constraint

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

% err 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.

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