

Lampiran 5 Hasil Analisis *KENLAYER* pada Berbagai Variasi Tebal Lapis Pondasi Bawah

INPUT FILE NAME -F:\College\Semester 8\Tugas Akhir\KENPAVE\3_25.5.DAT

NUMBER OF PROBLEMS TO BE SOLVED = 1

TITLE -studisimulasi

MATL = 1 FOR LINEAR ELASTIC LAYERED SYSTEM
 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
 NUMBER OF PERIODS PER YEAR (NPY) = 1
 NUMBER OF LOAD GROUPS (NLG) = 1
 TOLERANCE FOR INTEGRATION (DEL) -- = 0.001
 NUMBER OF LAYERS (NL)----- = 4
 NUMBER OF Z COORDINATES (NZ)----- = 12
 LIMIT OF INTEGRATION CYCLES (ICL)- = 80
 COMPUTING CODE (NSTD)----- = 9
 SYSTEM OF UNITS (NUNIT)----- = 1

Length and displacement in cm, stress and modulus in kPa
 unit weight in kN/m³, and temperature in C

THICKNESSES OF LAYERS (TH) ARE : 17.5 20 25.5
 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 62.999 63 63.001 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
 3 2.100E+05 4 1.500E+05

LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02674	550.000	631.265	440.285	610.608
	(STRAIN)	1.446E-04	3.386E-05	1.580E-04	3.386E-05	1.446E-04
1	0.00100	0.02721	548.493	741.958	548.493	653.123
	(STRAIN)	1.330E-04	6.498E-05	1.907E-04	6.498E-05	1.330E-04
1	17.49900	0.02472	121.299	122.010	-362.327	-276.815
	(STRAIN)	-1.579E-04	1.564E-04	1.569E-04	-1.579E-04	-1.024E-04
1	17.50000	0.02472	121.291	122.002	-362.394	-276.870
	(STRAIN)	-1.580E-04	1.564E-04	1.569E-04	-1.580E-04	-1.024E-04
1	17.50100	0.02472	121.287	123.751	-4.202	6.413
	(STRAIN)	-1.580E-04	3.798E-04	3.904E-04	-1.580E-04	-1.125E-04
1	37.49900	0.01963	47.824	49.326	-20.827	-14.474
	(STRAIN)	-1.048E-04	1.894E-04	1.958E-04	-1.048E-04	-7.762E-05
1	37.50000	0.01963	47.822	49.324	-20.828	-14.476
	(STRAIN)	-1.048E-04	1.894E-04	1.958E-04	-1.048E-04	-7.762E-05
1	37.50100	0.01963	47.820	49.701	-5.302	-1.946
	(STRAIN)	-1.048E-04	2.367E-04	2.488E-04	-1.048E-04	-8.327E-05
1	62.99900	0.01511	23.908	24.337	-9.431	-7.650
	(STRAIN)	-7.272E-05	1.416E-04	1.444E-04	-7.272E-05	-6.127E-05
1	63.00000	0.01511	23.907	24.337	-9.431	-7.650

	(STRAIN)	-7.272E-05	1.416E-04	1.444E-04	-7.272E-05	-6.127E-05
1	63.00100	0.01511	23.907	24.519	0.930	1.788
	(STRAIN)	-7.272E-05	1.494E-04	1.553E-04	-7.272E-05	-6.443E-05
1	100.00000	0.01102	12.731	12.921	0.302	0.521
	(STRAIN)	-3.832E-05	8.183E-05	8.367E-05	-3.832E-05	-3.619E-05
2	0.00000	0.02712	550.000	585.744	346.870	512.497
	(STRAIN)	1.164E-04	8.699E-06	1.640E-04	8.699E-06	1.164E-04
2	0.00100	0.02706	556.297	773.244	556.297	644.906
	(STRAIN)	1.230E-04	6.543E-05	2.064E-04	6.543E-05	1.230E-04
2	17.49900	0.02545	110.335	110.385	-337.703	-169.886
	(STRAIN)	-1.599E-04	1.313E-04	1.313E-04	-1.599E-04	-5.085E-05
2	17.50000	0.02545	110.331	110.381	-337.760	-169.916
	(STRAIN)	-1.599E-04	1.313E-04	1.313E-04	-1.599E-04	-5.085E-05
2	17.50100	0.02545	110.331	110.486	-4.394	20.908
	(STRAIN)	-1.599E-04	3.317E-04	3.324E-04	-1.599E-04	-5.151E-05
2	37.49900	0.02036	51.446	51.650	-22.349	-14.892
	(STRAIN)	-1.118E-04	2.045E-04	2.053E-04	-1.118E-04	-7.983E-05
2	37.50000	0.02036	51.445	51.648	-22.351	-14.893
	(STRAIN)	-1.118E-04	2.045E-04	2.053E-04	-1.118E-04	-7.983E-05
2	37.50100	0.02036	51.443	51.701	-5.667	-0.818
	(STRAIN)	-1.118E-04	2.553E-04	2.570E-04	-1.118E-04	-8.062E-05
2	62.99900	0.01549	25.343	25.412	-9.969	-8.417
	(STRAIN)	-7.580E-05	1.512E-04	1.517E-04	-7.580E-05	-6.582E-05
2	63.00000	0.01549	25.343	25.411	-9.970	-8.417
	(STRAIN)	-7.580E-05	1.512E-04	1.517E-04	-7.580E-05	-6.582E-05
2	63.00100	0.01549	25.342	25.441	0.945	1.924
	(STRAIN)	-7.580E-05	1.600E-04	1.610E-04	-7.580E-05	-6.633E-05
2	100.00000	0.01117	13.163	13.193	0.304	0.538
	(STRAIN)	-3.917E-05	8.514E-05	8.543E-05	-3.917E-05	-3.691E-05
3	0.00000	0.02669	0.000	505.069	252.729	424.229
	(STRAIN)	9.844E-05	-1.303E-05	1.510E-04	-1.303E-05	9.844E-05
3	0.00100	0.02569	-2.029	400.643	-2.029	116.611
	(STRAIN)	-1.487E-06	-7.860E-05	1.831E-04	-7.860E-05	-1.487E-06
3	17.49900	0.02545	101.895	101.895	-316.153	-110.380
	(STRAIN)	-1.568E-04	1.149E-04	1.149E-04	-1.568E-04	-2.305E-05
3	17.50000	0.02545	101.893	101.893	-316.203	-110.396
	(STRAIN)	-1.568E-04	1.149E-04	1.149E-04	-1.568E-04	-2.305E-05
3	17.50100	0.02545	101.890	101.890	-4.328	26.883
	(STRAIN)	-1.568E-04	2.984E-04	2.984E-04	-1.568E-04	-2.306E-05
3	37.49900	0.02049	51.968	51.968	-22.586	-14.795
	(STRAIN)	-1.130E-04	2.065E-04	2.065E-04	-1.130E-04	-7.962E-05
3	37.50000	0.02049	51.967	51.967	-22.588	-14.797
	(STRAIN)	-1.130E-04	2.065E-04	2.065E-04	-1.130E-04	-7.962E-05
3	37.50100	0.02049	51.965	51.965	-5.731	-0.538
	(STRAIN)	-1.130E-04	2.579E-04	2.579E-04	-1.130E-04	-7.962E-05
3	62.99900	0.01556	25.613	25.613	-10.071	-8.561
	(STRAIN)	-7.638E-05	1.530E-04	1.530E-04	-7.638E-05	-6.667E-05
3	63.00000	0.01556	25.613	25.613	-10.071	-8.561
	(STRAIN)	-7.638E-05	1.530E-04	1.530E-04	-7.638E-05	-6.667E-05
3	63.00100	0.01556	25.612	25.612	0.947	1.952
	(STRAIN)	-7.638E-05	1.621E-04	1.621E-04	-7.638E-05	-6.667E-05
3	100.00000	0.01120	13.243	13.243	0.305	0.542
	(STRAIN)	-3.932E-05	8.575E-05	8.575E-05	-3.932E-05	-3.703E-05

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Length and displacement in cm, stress and modulus in kPa
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 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 64.499 64.5 64.501 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
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LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02668	550.000	630.725	440.285	610.111
	(STRAIN)	1.444E-04	3.402E-05	1.578E-04	3.402E-05	1.444E-04
1	0.00100	0.02714	548.493	741.402	548.491	652.638
	(STRAIN)	1.328E-04	6.514E-05	1.905E-04	6.514E-05	1.328E-04
1	17.49900	0.02466	121.387	122.096	-361.884	-276.396
	(STRAIN)	-1.578E-04	1.563E-04	1.568E-04	-1.578E-04	-1.022E-04
1	17.50000	0.02466	121.380	122.088	-361.951	-276.451
	(STRAIN)	-1.578E-04	1.563E-04	1.568E-04	-1.578E-04	-1.022E-04
1	17.50100	0.02466	121.375	123.829	-4.086	6.535
	(STRAIN)	-1.578E-04	3.799E-04	3.904E-04	-1.578E-04	-1.123E-04
1	37.49900	0.01957	47.972	49.476	-20.566	-14.220
	(STRAIN)	-1.045E-04	1.893E-04	1.957E-04	-1.045E-04	-7.726E-05
1	37.50000	0.01957	47.970	49.474	-20.568	-14.221
	(STRAIN)	-1.045E-04	1.893E-04	1.957E-04	-1.045E-04	-7.726E-05
1	37.50100	0.01957	47.969	49.850	-5.102	-1.749
	(STRAIN)	-1.045E-04	2.367E-04	2.488E-04	-1.045E-04	-8.291E-05
1	64.49900	0.01486	23.164	23.571	-9.144	-7.470
	(STRAIN)	-7.038E-05	1.373E-04	1.399E-04	-7.038E-05	-5.962E-05
1	64.50000	0.01486	23.163	23.571	-9.144	-7.470
	(STRAIN)	-7.038E-05	1.373E-04	1.399E-04	-7.038E-05	-5.962E-05
1	64.50100	0.01486	23.163	23.744	0.890	1.693
	(STRAIN)	-7.038E-05	1.449E-04	1.505E-04	-7.038E-05	-6.261E-05
1	100.00000	0.01100	12.703	12.893	0.302	0.522
	(STRAIN)	-3.823E-05	8.165E-05	8.348E-05	-3.823E-05	-3.611E-05

2	0.00000	0.02706	550.000	585.155	346.870	511.953
	(STRAIN)	1.162E-04	8.869E-06	1.638E-04	8.869E-06	1.162E-04
2	0.00100	0.02700	556.297	772.656	556.296	644.361
	(STRAIN)	1.228E-04	6.560E-05	2.062E-04	6.560E-05	1.228E-04
2	17.49900	0.02539	110.435	110.486	-337.240	-169.441
	(STRAIN)	-1.598E-04	1.312E-04	1.312E-04	-1.598E-04	-5.071E-05
2	17.50000	0.02539	110.431	110.481	-337.297	-169.471
	(STRAIN)	-1.598E-04	1.312E-04	1.313E-04	-1.598E-04	-5.071E-05
2	17.50100	0.02538	110.430	110.587	-4.269	21.029
	(STRAIN)	-1.598E-04	3.318E-04	3.324E-04	-1.598E-04	-5.137E-05
2	37.49900	0.02029	51.616	51.820	-22.074	-14.617
	(STRAIN)	-1.114E-04	2.044E-04	2.053E-04	-1.114E-04	-7.946E-05
2	37.50000	0.02029	51.614	51.818	-22.075	-14.619
	(STRAIN)	-1.114E-04	2.044E-04	2.053E-04	-1.114E-04	-7.946E-05
2	37.50100	0.02029	51.612	51.871	-5.453	-0.605
	(STRAIN)	-1.114E-04	2.554E-04	2.571E-04	-1.114E-04	-8.024E-05
2	64.49900	0.01523	24.525	24.590	-9.652	-8.205
	(STRAIN)	-7.327E-05	1.464E-04	1.469E-04	-7.327E-05	-6.397E-05
2	64.50000	0.01523	24.524	24.589	-9.653	-8.205
	(STRAIN)	-7.327E-05	1.464E-04	1.469E-04	-7.327E-05	-6.397E-05
2	64.50100	0.01523	24.523	24.617	0.905	1.817
	(STRAIN)	-7.327E-05	1.550E-04	1.560E-04	-7.327E-05	-6.445E-05
2	100.00000	0.01115	13.135	13.165	0.305	0.538
	(STRAIN)	-3.908E-05	8.495E-05	8.524E-05	-3.908E-05	-3.682E-05
3	0.00000	0.02663	0.000	504.473	252.729	423.673
	(STRAIN)	9.826E-05	-1.286E-05	1.508E-04	-1.286E-05	9.826E-05
3	0.00100	0.02563	-2.029	400.048	-2.029	116.055
	(STRAIN)	-1.676E-06	-7.843E-05	1.829E-04	-7.843E-05	-1.676E-06
3	17.49900	0.02539	101.997	101.997	-315.686	-109.929
	(STRAIN)	-1.567E-04	1.148E-04	1.148E-04	-1.567E-04	-2.291E-05
3	17.50000	0.02539	101.995	101.995	-315.736	-109.944
	(STRAIN)	-1.567E-04	1.148E-04	1.148E-04	-1.567E-04	-2.291E-05
3	17.50100	0.02538	101.992	101.992	-4.202	27.007
	(STRAIN)	-1.567E-04	2.984E-04	2.984E-04	-1.567E-04	-2.292E-05
3	37.49900	0.02042	52.142	52.142	-22.308	-14.517
	(STRAIN)	-1.126E-04	2.064E-04	2.064E-04	-1.126E-04	-7.923E-05
3	37.50000	0.02042	52.140	52.140	-22.309	-14.519
	(STRAIN)	-1.126E-04	2.064E-04	2.064E-04	-1.126E-04	-7.924E-05
3	37.50100	0.02042	52.138	52.138	-5.514	-0.321
	(STRAIN)	-1.126E-04	2.580E-04	2.580E-04	-1.126E-04	-7.924E-05
3	64.49900	0.01530	24.781	24.781	-9.748	-8.343
	(STRAIN)	-7.382E-05	1.482E-04	1.482E-04	-7.382E-05	-6.478E-05
3	64.50000	0.01530	24.780	24.780	-9.749	-8.343
	(STRAIN)	-7.382E-05	1.482E-04	1.482E-04	-7.382E-05	-6.478E-05
3	64.50100	0.01530	24.780	24.780	0.907	1.842
	(STRAIN)	-7.381E-05	1.569E-04	1.569E-04	-7.381E-05	-6.478E-05
3	100.00000	0.01118	13.215	13.215	0.306	0.542
	(STRAIN)	-3.923E-05	8.556E-05	8.556E-05	-3.923E-05	-3.695E-05

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 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
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 NUMBER OF LAYERS (NL)----- = 4
 NUMBER OF Z COORDINATES (NZ)----- = 12
 LIMIT OF INTEGRATION CYCLES (ICL)- = 80
 COMPUTING CODE (NSTD)----- = 9
 SYSTEM OF UNITS (NUNIT)----- = 1

Length and displacement in cm, stress and modulus in kPa
 unit weight in kN/m³, and temperature in C

THICKNESSES OF LAYERS (TH) ARE : 17.5 20 28.5
 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 65.999 66 66.001 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
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LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02662	550.000	630.201	440.285	609.652
	(STRAIN)	1.442E-04	3.416E-05	1.576E-04	3.416E-05	1.443E-04
1	0.00100	0.02709	548.493	740.879	548.491	652.174
	(STRAIN)	1.327E-04	6.529E-05	1.903E-04	6.529E-05	1.327E-04
1	17.49900	0.02460	121.469	122.175	-361.474	-276.008
	(STRAIN)	-1.577E-04	1.563E-04	1.567E-04	-1.577E-04	-1.021E-04
1	17.50000	0.02460	121.461	122.167	-361.541	-276.063
	(STRAIN)	-1.577E-04	1.563E-04	1.567E-04	-1.577E-04	-1.021E-04
1	17.50100	0.02460	121.455	123.900	-3.978	6.649
	(STRAIN)	-1.577E-04	3.799E-04	3.904E-04	-1.577E-04	-1.121E-04
1	37.49900	0.01951	48.112	49.616	-20.329	-13.987
	(STRAIN)	-1.041E-04	1.892E-04	1.956E-04	-1.041E-04	-7.694E-05
1	37.50000	0.01951	48.111	49.615	-20.330	-13.988
	(STRAIN)	-1.041E-04	1.892E-04	1.956E-04	-1.041E-04	-7.694E-05
1	37.50100	0.01951	48.109	49.989	-4.918	-1.568
	(STRAIN)	-1.041E-04	2.368E-04	2.489E-04	-1.041E-04	-8.258E-05
1	65.99900	0.01462	22.453	22.839	-8.869	-7.295
	(STRAIN)	-6.814E-05	1.332E-04	1.357E-04	-6.814E-05	-5.802E-05
1	66.00000	0.01462	22.453	22.839	-8.869	-7.296
	(STRAIN)	-6.814E-05	1.332E-04	1.357E-04	-6.814E-05	-5.802E-05
1	66.00100	0.01462	22.452	23.003	0.853	1.605
	(STRAIN)	-6.814E-05	1.407E-04	1.460E-04	-6.814E-05	-6.087E-05
1	100.00000	0.01098	12.676	12.866	0.303	0.522
	(STRAIN)	-3.815E-05	8.146E-05	8.330E-05	-3.815E-05	-3.603E-05

2	0.00000	0.02700	550.000	584.603	346.870	511.435
	(STRAIN)	1.160E-04	9.029E-06	1.636E-04	9.029E-06	1.160E-04
2	0.00100	0.02694	556.297	772.103	556.297	643.843
	(STRAIN)	1.227E-04	6.576E-05	2.060E-04	6.576E-05	1.227E-04
2	17.49900	0.02532	110.527	110.578	-336.812	-169.029
	(STRAIN)	-1.596E-04	1.311E-04	1.312E-04	-1.596E-04	-5.058E-05
2	17.50000	0.02532	110.522	110.573	-336.869	-169.058
	(STRAIN)	-1.597E-04	1.311E-04	1.312E-04	-1.597E-04	-5.058E-05
2	17.50100	0.02532	110.522	110.680	-4.154	21.140
	(STRAIN)	-1.597E-04	3.318E-04	3.325E-04	-1.597E-04	-5.125E-05
2	37.49900	0.02023	51.775	51.979	-21.823	-14.367
	(STRAIN)	-1.111E-04	2.044E-04	2.052E-04	-1.111E-04	-7.912E-05
2	37.50000	0.02023	51.774	51.977	-21.824	-14.369
	(STRAIN)	-1.111E-04	2.043E-04	2.052E-04	-1.111E-04	-7.912E-05
2	37.50100	0.02023	51.772	52.030	-5.257	-0.409
	(STRAIN)	-1.111E-04	2.555E-04	2.572E-04	-1.111E-04	-7.990E-05
2	65.99900	0.01497	23.743	23.805	-9.350	-7.999
	(STRAIN)	-7.087E-05	1.419E-04	1.423E-04	-7.087E-05	-6.218E-05
2	66.00000	0.01497	23.743	23.804	-9.350	-7.999
	(STRAIN)	-7.087E-05	1.419E-04	1.423E-04	-7.087E-05	-6.218E-05
2	66.00100	0.01497	23.742	23.831	0.867	1.718
	(STRAIN)	-7.087E-05	1.503E-04	1.511E-04	-7.087E-05	-6.264E-05
2	100.00000	0.01113	13.108	13.138	0.306	0.539
	(STRAIN)	-3.899E-05	8.476E-05	8.505E-05	-3.899E-05	-3.674E-05
3	0.00000	0.02656	0.000	503.914	252.730	423.145
	(STRAIN)	9.808E-05	-1.269E-05	1.506E-04	-1.269E-05	9.808E-05
3	0.00100	0.02557	-2.029	399.487	-2.029	115.528
	(STRAIN)	-1.855E-06	-7.827E-05	1.827E-04	-7.827E-05	-1.855E-06
3	17.49900	0.02532	102.091	102.091	-315.255	-109.511
	(STRAIN)	-1.565E-04	1.148E-04	1.148E-04	-1.565E-04	-2.278E-05
3	17.50000	0.02532	102.088	102.088	-315.305	-109.527
	(STRAIN)	-1.565E-04	1.148E-04	1.148E-04	-1.565E-04	-2.278E-05
3	17.50100	0.02532	102.086	102.086	-4.085	27.122
	(STRAIN)	-1.565E-04	2.985E-04	2.985E-04	-1.565E-04	-2.279E-05
3	37.49900	0.02036	52.305	52.305	-22.054	-14.264
	(STRAIN)	-1.123E-04	2.064E-04	2.064E-04	-1.123E-04	-7.889E-05
3	37.50000	0.02036	52.303	52.303	-22.056	-14.265
	(STRAIN)	-1.123E-04	2.064E-04	2.064E-04	-1.123E-04	-7.890E-05
3	37.50100	0.02036	52.302	52.302	-5.316	-0.123
	(STRAIN)	-1.123E-04	2.581E-04	2.581E-04	-1.123E-04	-7.889E-05
3	65.99900	0.01504	23.986	23.986	-9.440	-8.131
	(STRAIN)	-7.138E-05	1.435E-04	1.435E-04	-7.138E-05	-6.296E-05
3	66.00000	0.01504	23.985	23.985	-9.441	-8.131
	(STRAIN)	-7.138E-05	1.435E-04	1.435E-04	-7.138E-05	-6.296E-05
3	66.00100	0.01504	23.985	23.985	0.870	1.741
	(STRAIN)	-7.138E-05	1.521E-04	1.521E-04	-7.138E-05	-6.296E-05
3	100.00000	0.01116	13.188	13.188	0.307	0.543
	(STRAIN)	-3.915E-05	8.537E-05	8.537E-05	-3.915E-05	-3.686E-05

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NUMBER OF PROBLEMS TO BE SOLVED = 1

TITLE -studisimulasi

MATL = 1 FOR LINEAR ELASTIC LAYERED SYSTEM
 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
 NUMBER OF PERIODS PER YEAR (NPY) = 1
 NUMBER OF LOAD GROUPS (NLG) = 1
 TOLERANCE FOR INTEGRATION (DEL) -- = 0.001
 NUMBER OF LAYERS (NL)----- = 4
 NUMBER OF Z COORDINATES (NZ)----- = 12
 LIMIT OF INTEGRATION CYCLES (ICL)- = 80
 COMPUTING CODE (NSTD)----- = 9
 SYSTEM OF UNITS (NUNIT)----- = 1

Length and displacement in cm, stress and modulus in kPa
 unit weight in kN/m³, and temperature in C

THICKNESSES OF LAYERS (TH) ARE : 17.5 20 31.5
 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 68.999 69 69.001 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
 3 2.100E+05 4 1.500E+05

LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02651	550.000	629.257	440.285	608.778
	(STRAIN)	1.440E-04	3.444E-05	1.573E-04	3.444E-05	1.440E-04
1	0.00100	0.02698	577.291	762.722	577.290	674.112
	(STRAIN)	1.361E-04	7.312E-05	1.937E-04	7.312E-05	1.361E-04
1	17.49900	0.02448	121.614	122.316	-360.743	-275.312
	(STRAIN)	-1.574E-04	1.561E-04	1.566E-04	-1.574E-04	-1.019E-04
1	17.50000	0.02448	121.607	122.308	-360.809	-275.367
	(STRAIN)	-1.574E-04	1.561E-04	1.566E-04	-1.574E-04	-1.019E-04
1	17.50100	0.02448	121.602	124.028	-3.787	6.852
	(STRAIN)	-1.574E-04	3.799E-04	3.903E-04	-1.574E-04	-1.118E-04
1	37.49900	0.01939	48.370	49.873	-19.913	-13.574
	(STRAIN)	-1.035E-04	1.891E-04	1.955E-04	-1.035E-04	-7.638E-05
1	37.50000	0.01939	48.368	49.871	-19.914	-13.575
	(STRAIN)	-1.035E-04	1.891E-04	1.955E-04	-1.035E-04	-7.638E-05
1	37.50100	0.01939	48.366	50.243	-4.595	-1.243
	(STRAIN)	-1.035E-04	2.369E-04	2.490E-04	-1.035E-04	-8.200E-05
1	68.99900	0.01416	21.124	21.472	-8.354	-6.960
	(STRAIN)	-6.397E-05	1.255E-04	1.278E-04	-6.397E-05	-5.500E-05
1	69.00000	0.01416	21.123	21.471	-8.354	-6.960
	(STRAIN)	-6.397E-05	1.255E-04	1.278E-04	-6.397E-05	-5.500E-05
1	69.00100	0.01416	21.123	21.619	0.785	1.447
	(STRAIN)	-6.397E-05	1.326E-04	1.374E-04	-6.397E-05	-5.756E-05
1	100.00000	0.01095	12.625	12.815	0.306	0.525
	(STRAIN)	-3.798E-05	8.111E-05	8.294E-05	-3.798E-05	-3.586E-05

2	0.00000	0.02688	550.000	583.586	346.871	510.482
	(STRAIN)	1.157E-04	9.325E-06	1.632E-04	9.325E-06	1.157E-04
2	0.00100	0.02682	558.464	772.374	558.465	645.026
	(STRAIN)	1.229E-04	6.662E-05	2.057E-04	6.662E-05	1.229E-04
2	17.49900	0.02521	110.690	110.742	-336.051	-168.293
	(STRAIN)	-1.594E-04	1.310E-04	1.310E-04	-1.594E-04	-5.035E-05
2	17.50000	0.02521	110.685	110.737	-336.108	-168.323
	(STRAIN)	-1.594E-04	1.310E-04	1.310E-04	-1.594E-04	-5.036E-05
2	17.50100	0.02521	110.685	110.846	-3.949	21.339
	(STRAIN)	-1.594E-04	3.319E-04	3.326E-04	-1.594E-04	-5.103E-05
2	37.49900	0.02011	52.067	52.270	-21.385	-13.929
	(STRAIN)	-1.105E-04	2.043E-04	2.052E-04	-1.105E-04	-7.854E-05
2	37.50000	0.02011	52.065	52.269	-21.386	-13.931
	(STRAIN)	-1.105E-04	2.043E-04	2.052E-04	-1.105E-04	-7.854E-05
2	37.50100	0.02011	52.063	52.321	-4.912	-0.064
	(STRAIN)	-1.105E-04	2.558E-04	2.574E-04	-1.105E-04	-7.932E-05
2	68.99900	0.01448	22.284	22.339	-8.785	-7.603
	(STRAIN)	-6.639E-05	1.333E-04	1.337E-04	-6.639E-05	-5.880E-05
2	69.00000	0.01448	22.283	22.339	-8.785	-7.603
	(STRAIN)	-6.639E-05	1.333E-04	1.337E-04	-6.639E-05	-5.880E-05
2	69.00100	0.01448	22.283	22.363	0.798	1.540
	(STRAIN)	-6.639E-05	1.413E-04	1.421E-04	-6.639E-05	-5.921E-05
2	100.00000	0.01110	13.056	13.086	0.308	0.541
	(STRAIN)	-3.883E-05	8.440E-05	8.469E-05	-3.883E-05	-3.657E-05
3	0.00000	0.02645	0.000	502.882	252.729	422.176
	(STRAIN)	9.775E-05	-1.239E-05	1.502E-04	-1.239E-05	9.775E-05
3	0.00100	0.02545	-2.029	398.457	-2.029	114.558
	(STRAIN)	-2.185E-06	-7.797E-05	1.823E-04	-7.797E-05	-2.185E-06
3	17.49900	0.02520	102.257	102.257	-314.488	-108.766
	(STRAIN)	-1.563E-04	1.146E-04	1.146E-04	-1.563E-04	-2.255E-05
3	17.50000	0.02520	102.255	102.255	-314.538	-108.782
	(STRAIN)	-1.563E-04	1.146E-04	1.146E-04	-1.563E-04	-2.255E-05
3	17.50100	0.02520	102.252	102.252	-3.878	27.326
	(STRAIN)	-1.563E-04	2.986E-04	2.986E-04	-1.563E-04	-2.256E-05
3	37.49900	0.02024	52.603	52.603	-21.612	-13.821
	(STRAIN)	-1.117E-04	2.064E-04	2.064E-04	-1.117E-04	-7.831E-05
3	37.50000	0.02024	52.601	52.601	-21.613	-13.822
	(STRAIN)	-1.117E-04	2.064E-04	2.064E-04	-1.117E-04	-7.831E-05
3	37.50100	0.02024	52.600	52.600	-4.967	0.226
	(STRAIN)	-1.117E-04	2.584E-04	2.584E-04	-1.117E-04	-7.831E-05
3	68.99900	0.01454	22.502	22.502	-8.865	-7.724
	(STRAIN)	-6.684E-05	1.348E-04	1.348E-04	-6.684E-05	-5.951E-05
3	69.00000	0.01454	22.502	22.502	-8.865	-7.724
	(STRAIN)	-6.684E-05	1.348E-04	1.348E-04	-6.684E-05	-5.951E-05
3	69.00100	0.01454	22.501	22.501	0.801	1.559
	(STRAIN)	-6.684E-05	1.429E-04	1.429E-04	-6.684E-05	-5.951E-05
3	100.00000	0.01112	13.136	13.136	0.310	0.546
	(STRAIN)	-3.898E-05	8.501E-05	8.501E-05	-3.898E-05	-3.670E-05

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NUMBER OF PROBLEMS TO BE SOLVED = 1

TITLE -studisimulasi

MATL = 1 FOR LINEAR ELASTIC LAYERED SYSTEM
 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
 NUMBER OF PERIODS PER YEAR (NPY) = 1
 NUMBER OF LOAD GROUPS (NLG) = 1
 TOLERANCE FOR INTEGRATION (DEL) -- = 0.001
 NUMBER OF LAYERS (NL)----- = 4
 NUMBER OF Z COORDINATES (NZ)----- = 12
 LIMIT OF INTEGRATION CYCLES (ICL)- = 80
 COMPUTING CODE (NSTD)----- = 9
 SYSTEM OF UNITS (NUNIT)----- = 1

Length and displacement in cm, stress and modulus in kPa
 unit weight in kN/m³, and temperature in C

THICKNESSES OF LAYERS (TH) ARE : 17.5 20 33
 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 70.499 70.5 70.501 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
 3 2.100E+05 4 1.500E+05

LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02646	550.000	628.812	440.285	608.384
	(STRAIN)	1.438E-04	3.456E-05	1.571E-04	3.456E-05	1.438E-04
1	0.00100	0.02692	550.139	738.060	550.139	649.495
	(STRAIN)	1.315E-04	6.694E-05	1.891E-04	6.694E-05	1.315E-04
1	17.49900	0.02443	121.679	122.378	-360.417	-275.001
	(STRAIN)	-1.573E-04	1.560E-04	1.565E-04	-1.573E-04	-1.018E-04
1	17.50000	0.02443	121.671	122.371	-360.483	-275.056
	(STRAIN)	-1.573E-04	1.561E-04	1.565E-04	-1.573E-04	-1.018E-04
1	17.50100	0.02443	121.667	124.085	-3.701	6.943
	(STRAIN)	-1.573E-04	3.800E-04	3.903E-04	-1.573E-04	-1.117E-04
1	37.49900	0.01934	48.487	49.989	-19.731	-13.391
	(STRAIN)	-1.033E-04	1.891E-04	1.955E-04	-1.033E-04	-7.613E-05
1	37.50000	0.01934	48.486	49.987	-19.732	-13.392
	(STRAIN)	-1.033E-04	1.891E-04	1.955E-04	-1.033E-04	-7.613E-05
1	37.50100	0.01934	48.484	50.358	-4.452	-1.098
	(STRAIN)	-1.033E-04	2.370E-04	2.491E-04	-1.033E-04	-8.174E-05
1	70.49900	0.01394	20.501	20.832	-8.113	-6.799
	(STRAIN)	-6.202E-05	1.219E-04	1.241E-04	-6.202E-05	-5.357E-05
1	70.50000	0.01394	20.501	20.831	-8.113	-6.799
	(STRAIN)	-6.202E-05	1.219E-04	1.240E-04	-6.202E-05	-5.357E-05
1	70.50100	0.01394	20.501	20.972	0.753	1.376
	(STRAIN)	-6.202E-05	1.289E-04	1.334E-04	-6.202E-05	-5.600E-05
1	100.00000	0.01093	12.601	12.790	0.307	0.526
	(STRAIN)	-3.790E-05	8.094E-05	8.276E-05	-3.790E-05	-3.578E-05

2	0.00000	0.02682	550.000	583.117	346.870	510.044
	(STRAIN)	1.155E-04	9.461E-06	1.630E-04	9.461E-06	1.155E-04
2	0.00100	0.02676	560.538	773.228	560.537	646.893
	(STRAIN)	1.234E-04	6.725E-05	2.055E-04	6.725E-05	1.234E-04
2	17.49900	0.02515	110.762	110.814	-335.712	-167.965
	(STRAIN)	-1.593E-04	1.309E-04	1.310E-04	-1.593E-04	-5.025E-05
2	17.50000	0.02515	110.758	110.809	-335.769	-167.995
	(STRAIN)	-1.593E-04	1.309E-04	1.310E-04	-1.593E-04	-5.025E-05
2	17.50100	0.02515	110.757	110.919	-3.858	21.427
	(STRAIN)	-1.593E-04	3.319E-04	3.326E-04	-1.593E-04	-5.093E-05
2	37.49900	0.02005	52.200	52.403	-21.193	-13.737
	(STRAIN)	-1.102E-04	2.043E-04	2.052E-04	-1.102E-04	-7.829E-05
2	37.50000	0.02005	52.198	52.401	-21.195	-13.738
	(STRAIN)	-1.102E-04	2.043E-04	2.052E-04	-1.102E-04	-7.829E-05
2	37.50100	0.02005	52.196	52.453	-4.761	0.088
	(STRAIN)	-1.102E-04	2.559E-04	2.576E-04	-1.102E-04	-7.907E-05
2	70.49900	0.01425	21.602	21.655	-8.520	-7.414
	(STRAIN)	-6.431E-05	1.293E-04	1.297E-04	-6.431E-05	-5.719E-05
2	70.50000	0.01425	21.601	21.654	-8.521	-7.414
	(STRAIN)	-6.431E-05	1.293E-04	1.297E-04	-6.431E-05	-5.719E-05
2	70.50100	0.01425	21.601	21.677	0.766	1.461
	(STRAIN)	-6.431E-05	1.371E-04	1.378E-04	-6.431E-05	-5.759E-05
2	100.00000	0.01108	13.031	13.061	0.310	0.543
	(STRAIN)	-3.874E-05	8.422E-05	8.451E-05	-3.874E-05	-3.649E-05
3	0.00000	0.02639	0.000	502.409	252.729	421.729
	(STRAIN)	9.759E-05	-1.226E-05	1.500E-04	-1.226E-05	9.759E-05
3	0.00100	0.02539	-2.029	397.984	-2.029	114.111
	(STRAIN)	-2.338E-06	-7.783E-05	1.822E-04	-7.783E-05	-2.338E-06
3	17.49900	0.02515	102.331	102.331	-314.147	-108.434
	(STRAIN)	-1.562E-04	1.146E-04	1.146E-04	-1.562E-04	-2.244E-05
3	17.50000	0.02515	102.328	102.328	-314.197	-108.450
	(STRAIN)	-1.562E-04	1.146E-04	1.146E-04	-1.562E-04	-2.244E-05
3	17.50100	0.02515	102.326	102.326	-3.785	27.417
	(STRAIN)	-1.562E-04	2.986E-04	2.986E-04	-1.562E-04	-2.245E-05
3	37.49900	0.02018	52.739	52.739	-21.418	-13.627
	(STRAIN)	-1.115E-04	2.064E-04	2.064E-04	-1.115E-04	-7.806E-05
3	37.50000	0.02018	52.737	52.737	-21.420	-13.628
	(STRAIN)	-1.115E-04	2.064E-04	2.064E-04	-1.115E-04	-7.806E-05
3	37.50100	0.02018	52.735	52.735	-4.814	0.380
	(STRAIN)	-1.114E-04	2.585E-04	2.585E-04	-1.114E-04	-7.806E-05
3	70.49900	0.01431	21.809	21.809	-8.596	-7.530
	(STRAIN)	-6.473E-05	1.307E-04	1.307E-04	-6.473E-05	-5.788E-05
3	70.50000	0.01431	21.809	21.809	-8.596	-7.530
	(STRAIN)	-6.473E-05	1.307E-04	1.307E-04	-6.473E-05	-5.788E-05
3	70.50100	0.01431	21.808	21.808	0.769	1.479
	(STRAIN)	-6.473E-05	1.386E-04	1.386E-04	-6.473E-05	-5.787E-05
3	100.00000	0.01111	13.111	13.111	0.312	0.547
	(STRAIN)	-3.890E-05	8.483E-05	8.483E-05	-3.890E-05	-3.662E-05

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NUMBER OF PROBLEMS TO BE SOLVED = 1

TITLE -studisimulasi

MATL = 1 FOR LINEAR ELASTIC LAYERED SYSTEM
 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
 NUMBER OF PERIODS PER YEAR (NPY) = 1
 NUMBER OF LOAD GROUPS (NLG) = 1
 TOLERANCE FOR INTEGRATION (DEL) -- = 0.001
 NUMBER OF LAYERS (NL)----- = 4
 NUMBER OF Z COORDINATES (NZ)----- = 12
 LIMIT OF INTEGRATION CYCLES (ICL)- = 80
 COMPUTING CODE (NSTD)----- = 9
 SYSTEM OF UNITS (NUNIT)----- = 1

Length and displacement in cm, stress and modulus in kPa
 unit weight in kN/m³, and temperature in C

THICKNESSES OF LAYERS (TH) ARE : 17.5 20 34.5
 POISSON'S RATIOS OF LAYERS (PR) ARE : 0.3 0.35 0.35 0.45
 VERTICAL COORDINATES OF POINTS (ZC) ARE: 0 0.001 17.499 17.5 17.501
 37.499 37.5 37.501 71.999 72 72.001 100
 ALL INTERFACES ARE FULLY BONDED

FOR PERIOD NO. 1 LAYER NO. AND MODULUS ARE : 1 2.000E+06 2 3.150E+05
 3 2.100E+05 4 1.500E+05

LOAD GROUP NO. 1 HAS 2 CONTACT AREAS
 CONTACT RADIUS (CR)----- = 11
 CONTACT PRESSURE (CP)----- = 550
 NO. OF POINTS AT WHICH RESULTS ARE DESIRED (NPT)-- = 3
 WHEEL SPACING ALONG X-AXIS (XW)----- = 0
 WHEEL SPACING ALONG Y-AXIS (YW)----- = 33

RESPONSE PT. NO. AND (XPT, YPT) ARE: 1 0.000 0.000 2 0.000 10.000
 3 0.000 16.500

PERIOD NO. 1 LOAD GROUP NO. 1

POINT NO.	VERTICAL COORDINATE	VERTICAL DISPL. (HORIZONTAL P. STRAIN)	VERTICAL STRESS (STRAIN)	MAJOR PRINCIPAL STRESS (STRAIN)	MINOR PRINCIPAL STRESS (STRAIN)	INTERMEDIATE PRINCIPAL STRESS (STRAIN)
1	0.00000	0.02641	550.000	628.401	440.285	607.996
	(STRAIN)	1.437E-04	3.468E-05	1.570E-04	3.468E-05	1.437E-04
1	0.00100	0.02686	519.060	715.677	519.062	627.143
	(STRAIN)	1.284E-04	5.811E-05	1.859E-04	5.811E-05	1.284E-04
1	17.49900	0.02438	121.739	122.437	-360.114	-274.711
	(STRAIN)	-1.572E-04	1.560E-04	1.564E-04	-1.572E-04	-1.017E-04
1	17.50000	0.02438	121.732	122.429	-360.180	-274.766
	(STRAIN)	-1.572E-04	1.560E-04	1.565E-04	-1.572E-04	-1.017E-04
1	17.50100	0.02438	121.727	124.137	-3.622	7.028
	(STRAIN)	-1.572E-04	3.800E-04	3.903E-04	-1.572E-04	-1.116E-04
1	37.49900	0.01928	48.599	50.099	-19.563	-13.222
	(STRAIN)	-1.031E-04	1.890E-04	1.955E-04	-1.031E-04	-7.590E-05
1	37.50000	0.01928	48.597	50.097	-19.564	-13.223
	(STRAIN)	-1.031E-04	1.890E-04	1.955E-04	-1.031E-04	-7.590E-05
1	37.50100	0.01928	48.596	50.466	-4.320	-0.964
	(STRAIN)	-1.031E-04	2.371E-04	2.491E-04	-1.031E-04	-8.150E-05
1	71.99900	0.01373	19.905	20.219	-7.882	-6.642
	(STRAIN)	-6.016E-05	1.185E-04	1.205E-04	-6.016E-05	-5.219E-05
1	72.00000	0.01373	19.905	20.218	-7.882	-6.642
	(STRAIN)	-6.016E-05	1.185E-04	1.205E-04	-6.016E-05	-5.219E-05
1	72.00100	0.01373	19.904	20.352	0.724	1.309
	(STRAIN)	-6.016E-05	1.253E-04	1.296E-04	-6.016E-05	-5.450E-05
1	100.00000	0.01091	12.577	12.766	0.309	0.528
	(STRAIN)	-3.782E-05	8.076E-05	8.259E-05	-3.782E-05	-3.571E-05

2	0.00000	0.02677	550.000	582.674	346.870	509.628
	(STRAIN)	1.154E-04	9.590E-06	1.629E-04	9.590E-06	1.154E-04
2	0.00100	0.02671	563.509	774.460	563.509	649.082
	(STRAIN)	1.238E-04	6.822E-05	2.053E-04	6.822E-05	1.238E-04
2	17.49900	0.02510	110.829	110.882	-335.398	-167.661
	(STRAIN)	-1.592E-04	1.309E-04	1.309E-04	-1.592E-04	-5.015E-05
2	17.50000	0.02510	110.825	110.877	-335.454	-167.691
	(STRAIN)	-1.592E-04	1.309E-04	1.309E-04	-1.592E-04	-5.016E-05
2	17.50100	0.02509	110.824	110.987	-3.774	21.509
	(STRAIN)	-1.592E-04	3.319E-04	3.326E-04	-1.592E-04	-5.084E-05
2	37.49900	0.02000	52.324	52.527	-21.017	-13.560
	(STRAIN)	-1.100E-04	2.043E-04	2.052E-04	-1.100E-04	-7.806E-05
2	37.50000	0.02000	52.323	52.526	-21.019	-13.562
	(STRAIN)	-1.100E-04	2.043E-04	2.052E-04	-1.100E-04	-7.806E-05
2	37.50100	0.02000	52.321	52.578	-4.621	0.229
	(STRAIN)	-1.100E-04	2.560E-04	2.577E-04	-1.100E-04	-7.884E-05
2	71.99900	0.01402	20.949	21.000	-8.268	-7.230
	(STRAIN)	-6.232E-05	1.255E-04	1.258E-04	-6.232E-05	-5.565E-05
2	72.00000	0.01402	20.949	20.999	-8.268	-7.230
	(STRAIN)	-6.232E-05	1.255E-04	1.258E-04	-6.232E-05	-5.565E-05
2	72.00100	0.01402	20.949	21.021	0.736	1.387
	(STRAIN)	-6.232E-05	1.331E-04	1.338E-04	-6.232E-05	-5.602E-05
2	100.00000	0.01106	13.006	13.037	0.312	0.545
	(STRAIN)	-3.866E-05	8.405E-05	8.434E-05	-3.866E-05	-3.641E-05
3	0.00000	0.02634	0.000	501.960	252.729	421.305
	(STRAIN)	9.745E-05	-1.213E-05	1.499E-04	-1.213E-05	9.745E-05
3	0.00100	0.02534	-2.029	397.536	-2.029	113.687
	(STRAIN)	-2.483E-06	-7.770E-05	1.820E-04	-7.770E-05	-2.483E-06
3	17.49900	0.02509	102.399	102.399	-313.830	-108.126
	(STRAIN)	-1.561E-04	1.145E-04	1.145E-04	-1.561E-04	-2.235E-05
3	17.50000	0.02509	102.397	102.397	-313.880	-108.141
	(STRAIN)	-1.561E-04	1.145E-04	1.145E-04	-1.561E-04	-2.235E-05
3	17.50100	0.02509	102.394	102.394	-3.700	27.501
	(STRAIN)	-1.561E-04	2.986E-04	2.986E-04	-1.561E-04	-2.236E-05
3	37.49900	0.02013	52.866	52.866	-21.240	-13.448
	(STRAIN)	-1.112E-04	2.064E-04	2.064E-04	-1.112E-04	-7.783E-05
3	37.50000	0.02013	52.865	52.865	-21.242	-13.450
	(STRAIN)	-1.112E-04	2.064E-04	2.064E-04	-1.112E-04	-7.783E-05
3	37.50100	0.02013	52.863	52.863	-4.673	0.522
	(STRAIN)	-1.112E-04	2.586E-04	2.586E-04	-1.112E-04	-7.783E-05
3	71.99900	0.01408	21.146	21.146	-8.339	-7.341
	(STRAIN)	-6.272E-05	1.268E-04	1.268E-04	-6.272E-05	-5.630E-05
3	72.00000	0.01408	21.146	21.146	-8.339	-7.341
	(STRAIN)	-6.272E-05	1.268E-04	1.268E-04	-6.272E-05	-5.630E-05
3	72.00100	0.01408	21.145	21.145	0.739	1.403
	(STRAIN)	-6.272E-05	1.345E-04	1.345E-04	-6.272E-05	-5.630E-05
3	100.00000	0.01109	13.086	13.086	0.314	0.549
	(STRAIN)	-3.881E-05	8.465E-05	8.465E-05	-3.881E-05	-3.654E-05