

Lampiran 4 Hasil Analisis *KENLAYER* pada Berbagai Variasi Tebal Lapis Pondasi Atas

INPUT FILE NAME -F:\College\Semester 8\Tugas Akhir\KENPAVE\2_17.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 17 30
 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
 34.499 34.5 34.501 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
 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	0.02694	550.000	634.520	440.285	613.567
	(STRAIN)	1.456E-04	3.293E-05	1.592E-04	3.293E-05	1.456E-04
1	0.00100	0.02740	548.493	745.403	548.495	655.731
	(STRAIN)	1.338E-04	6.408E-05	1.921E-04	6.408E-05	1.338E-04
1	17.49900	0.02491	120.352	121.062	-366.317	-280.170
	(STRAIN)	-1.593E-04	1.570E-04	1.575E-04	-1.593E-04	-1.033E-04
1	17.50000	0.02491	120.345	121.054	-366.384	-280.226
	(STRAIN)	-1.593E-04	1.571E-04	1.575E-04	-1.593E-04	-1.033E-04
1	17.50100	0.02491	120.340	122.810	-5.314	5.391
	(STRAIN)	-1.593E-04	3.792E-04	3.898E-04	-1.593E-04	-1.134E-04
1	34.49900	0.02037	53.087	54.717	-21.580	-14.235
	(STRAIN)	-1.135E-04	2.065E-04	2.135E-04	-1.135E-04	-8.201E-05
1	34.50000	0.02037	53.085	54.715	-21.582	-14.237
	(STRAIN)	-1.135E-04	2.065E-04	2.135E-04	-1.135E-04	-8.201E-05
1	34.50100	0.02037	53.084	55.115	-4.860	-0.909
	(STRAIN)	-1.135E-04	2.590E-04	2.721E-04	-1.135E-04	-8.809E-05
1	64.49900	0.01492	23.280	23.687	-9.110	-7.442
	(STRAIN)	-7.046E-05	1.378E-04	1.404E-04	-7.046E-05	-5.973E-05

1	64.50000	0.01492	23.279	23.686	-9.110	-7.442
	(STRAIN)	-7.046E-05	1.378E-04	1.404E-04	-7.046E-05	-5.973E-05
1	64.50100	0.01492	23.279	23.860	0.960	1.759
	(STRAIN)	-7.045E-05	1.453E-04	1.509E-04	-7.045E-05	-6.273E-05
1	100.00000	0.01104	12.785	12.977	0.315	0.535
	(STRAIN)	-3.843E-05	8.211E-05	8.396E-05	-3.843E-05	-3.631E-05
2	0.00000	0.02733	550.000	589.471	346.870	515.708
	(STRAIN)	1.174E-04	7.658E-06	1.653E-04	7.658E-06	1.174E-04
2	0.00100	0.02727	556.297	777.078	556.298	648.032
	(STRAIN)	1.240E-04	6.438E-05	2.079E-04	6.438E-05	1.240E-04
2	17.49900	0.02566	109.308	109.358	-342.068	-173.804
	(STRAIN)	-1.614E-04	1.320E-04	1.321E-04	-1.614E-04	-5.200E-05
2	17.50000	0.02566	109.304	109.353	-342.125	-173.835
	(STRAIN)	-1.614E-04	1.320E-04	1.321E-04	-1.614E-04	-5.200E-05
2	17.50100	0.02566	109.303	109.459	-5.609	19.760
	(STRAIN)	-1.614E-04	3.311E-04	3.318E-04	-1.614E-04	-5.266E-05
2	34.49900	0.02115	56.858	57.061	-23.123	-14.030
	(STRAIN)	-1.212E-04	2.216E-04	2.224E-04	-1.212E-04	-8.225E-05
2	34.50000	0.02115	56.857	57.059	-23.125	-14.031
	(STRAIN)	-1.212E-04	2.216E-04	2.224E-04	-1.212E-04	-8.225E-05
2	34.50100	0.02115	56.855	57.110	-5.212	0.730
	(STRAIN)	-1.212E-04	2.778E-04	2.794E-04	-1.212E-04	-8.302E-05
2	64.49900	0.01529	24.643	24.708	-9.615	-8.174
	(STRAIN)	-7.334E-05	1.469E-04	1.473E-04	-7.334E-05	-6.408E-05
2	64.50000	0.01529	24.642	24.707	-9.615	-8.174
	(STRAIN)	-7.334E-05	1.469E-04	1.473E-04	-7.334E-05	-6.408E-05
2	64.50100	0.01529	24.642	24.736	0.979	1.887
	(STRAIN)	-7.334E-05	1.554E-04	1.563E-04	-7.334E-05	-6.457E-05
2	100.00000	0.01119	13.220	13.250	0.318	0.553
	(STRAIN)	-3.929E-05	8.543E-05	8.572E-05	-3.929E-05	-3.702E-05
3	0.00000	0.02690	0.000	508.922	252.729	427.473
	(STRAIN)	9.949E-05	-1.409E-05	1.524E-04	-1.409E-05	9.949E-05
3	0.00100	0.02590	-2.029	404.548	-2.029	119.835
	(STRAIN)	-4.606E-07	-7.967E-05	1.846E-04	-7.967E-05	-4.605E-07
3	17.49900	0.02566	100.867	100.867	-320.586	-114.407
	(STRAIN)	-1.583E-04	1.157E-04	1.157E-04	-1.583E-04	-2.425E-05
3	17.50000	0.02566	100.865	100.865	-320.637	-114.424
	(STRAIN)	-1.583E-04	1.157E-04	1.157E-04	-1.583E-04	-2.425E-05
3	17.50100	0.02566	100.862	100.862	-5.555	25.717
	(STRAIN)	-1.583E-04	2.978E-04	2.978E-04	-1.583E-04	-2.425E-05
3	34.49900	0.02129	57.302	57.302	-23.330	-13.705
	(STRAIN)	-1.225E-04	2.231E-04	2.231E-04	-1.225E-04	-8.126E-05
3	34.50000	0.02129	57.300	57.300	-23.332	-13.707
	(STRAIN)	-1.225E-04	2.231E-04	2.231E-04	-1.225E-04	-8.126E-05
3	34.50100	0.02129	57.298	57.298	-5.270	1.146
	(STRAIN)	-1.225E-04	2.797E-04	2.797E-04	-1.225E-04	-8.126E-05
3	64.49900	0.01535	24.899	24.899	-9.710	-8.312
	(STRAIN)	-7.388E-05	1.486E-04	1.486E-04	-7.388E-05	-6.489E-05
3	64.50000	0.01535	24.899	24.899	-9.710	-8.312
	(STRAIN)	-7.389E-05	1.486E-04	1.486E-04	-7.388E-05	-6.490E-05
3	64.50100	0.01535	24.898	24.898	0.982	1.912
	(STRAIN)	-7.388E-05	1.573E-04	1.573E-04	-7.388E-05	-6.489E-05
3	100.00000	0.01122	13.301	13.301	0.319	0.557
	(STRAIN)	-3.944E-05	8.604E-05	8.604E-05	-3.944E-05	-3.715E-05

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 35.499 35.5 35.501 65.499 65.5 65.501 100
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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	0.02681	550.000	632.840	440.285	612.041
	(STRAIN)	1.450E-04	3.341E-05	1.586E-04	3.341E-05	1.451E-04
1	0.00100	0.02727	548.493	743.648	548.494	654.340
	(STRAIN)	1.334E-04	6.455E-05	1.914E-04	6.455E-05	1.333E-04
1	17.49900	0.02478	120.779	121.487	-364.441	-278.556
	(STRAIN)	-1.587E-04	1.567E-04	1.572E-04	-1.587E-04	-1.028E-04
1	17.50000	0.02478	120.771	121.479	-364.507	-278.611
	(STRAIN)	-1.587E-04	1.567E-04	1.572E-04	-1.587E-04	-1.029E-04
1	17.50100	0.02478	120.766	123.227	-4.799	5.875
	(STRAIN)	-1.587E-04	3.795E-04	3.900E-04	-1.587E-04	-1.129E-04
1	35.49900	0.02005	51.390	52.979	-21.073	-14.080
	(STRAIN)	-1.101E-04	2.004E-04	2.072E-04	-1.101E-04	-8.015E-05
1	35.50000	0.02005	51.389	52.977	-21.074	-14.081
	(STRAIN)	-1.101E-04	2.004E-04	2.072E-04	-1.101E-04	-8.015E-05
1	35.50100	0.02005	51.387	53.369	-4.826	-1.087
	(STRAIN)	-1.101E-04	2.513E-04	2.640E-04	-1.101E-04	-8.608E-05
1	65.49900	0.01474	22.761	23.154	-8.938	-7.336
	(STRAIN)	-6.893E-05	1.349E-04	1.374E-04	-6.893E-05	-5.862E-05
1	65.50000	0.01474	22.761	23.154	-8.939	-7.336
	(STRAIN)	-6.893E-05	1.349E-04	1.374E-04	-6.893E-05	-5.862E-05
1	65.50100	0.01474	22.760	23.321	0.910	1.676
	(STRAIN)	-6.893E-05	1.423E-04	1.477E-04	-6.893E-05	-6.152E-05
1	100.00000	0.01101	12.739	12.930	0.312	0.531
	(STRAIN)	-3.831E-05	8.182E-05	8.367E-05	-3.831E-05	-3.618E-05

2	0.00000	0.02719	550.000	587.586	346.870	514.048
	(STRAIN)	1.169E-04	8.190E-06	1.647E-04	8.190E-06	1.169E-04
2	0.00100	0.02713	556.297	775.153	556.299	646.404
	(STRAIN)	1.235E-04	6.491E-05	2.072E-04	6.492E-05	1.235E-04
2	17.49900	0.02552	109.768	109.818	-340.036	-171.959
	(STRAIN)	-1.607E-04	1.317E-04	1.317E-04	-1.607E-04	-5.145E-05
2	17.50000	0.02552	109.764	109.814	-340.093	-171.989
	(STRAIN)	-1.607E-04	1.317E-04	1.317E-04	-1.607E-04	-5.145E-05
2	17.50100	0.02552	109.763	109.920	-5.051	20.289
	(STRAIN)	-1.607E-04	3.314E-04	3.320E-04	-1.607E-04	-5.211E-05
2	35.49900	0.02081	55.149	55.353	-22.601	-14.098
	(STRAIN)	-1.176E-04	2.156E-04	2.165E-04	-1.176E-04	-8.115E-05
2	35.50000	0.02081	55.147	55.351	-22.603	-14.099
	(STRAIN)	-1.176E-04	2.156E-04	2.165E-04	-1.176E-04	-8.115E-05
2	35.50100	0.02081	55.145	55.403	-5.170	0.376
	(STRAIN)	-1.176E-04	2.702E-04	2.718E-04	-1.176E-04	-8.193E-05
2	65.49900	0.01509	24.076	24.138	-9.426	-8.048
	(STRAIN)	-7.170E-05	1.437E-04	1.441E-04	-7.170E-05	-6.284E-05
2	65.50000	0.01509	24.075	24.138	-9.426	-8.048
	(STRAIN)	-7.170E-05	1.437E-04	1.441E-04	-7.170E-05	-6.284E-05
2	65.50100	0.01509	24.075	24.165	0.926	1.794
	(STRAIN)	-7.170E-05	1.521E-04	1.529E-04	-7.170E-05	-6.331E-05
2	100.00000	0.01116	13.172	13.203	0.314	0.549
	(STRAIN)	-3.916E-05	8.513E-05	8.543E-05	-3.916E-05	-3.689E-05
3	0.00000	0.02676	0.000	506.984	252.729	425.794
	(STRAIN)	9.894E-05	-1.355E-05	1.517E-04	-1.355E-05	9.894E-05
3	0.00100	0.02577	-2.029	402.590	-2.029	118.164
	(STRAIN)	-1.002E-06	-7.913E-05	1.839E-04	-7.913E-05	-1.002E-06
3	17.49900	0.02553	101.328	101.328	-318.526	-112.516
	(STRAIN)	-1.576E-04	1.153E-04	1.153E-04	-1.576E-04	-2.368E-05
3	17.50000	0.02553	101.325	101.325	-318.576	-112.532
	(STRAIN)	-1.576E-04	1.153E-04	1.153E-04	-1.576E-04	-2.368E-05
3	17.50100	0.02553	101.322	101.322	-4.993	26.254
	(STRAIN)	-1.576E-04	2.980E-04	2.980E-04	-1.576E-04	-2.369E-05
3	35.49900	0.02095	55.632	55.632	-22.818	-13.858
	(STRAIN)	-1.189E-04	2.174E-04	2.174E-04	-1.189E-04	-8.045E-05
3	35.50000	0.02095	55.630	55.630	-22.820	-13.860
	(STRAIN)	-1.189E-04	2.174E-04	2.174E-04	-1.189E-04	-8.046E-05
3	35.50100	0.02095	55.628	55.628	-5.228	0.744
	(STRAIN)	-1.189E-04	2.724E-04	2.724E-04	-1.189E-04	-8.046E-05
3	65.49900	0.01516	24.323	24.323	-9.518	-8.181
	(STRAIN)	-7.222E-05	1.453E-04	1.453E-04	-7.222E-05	-6.364E-05
3	65.50000	0.01516	24.323	24.323	-9.518	-8.182
	(STRAIN)	-7.223E-05	1.453E-04	1.453E-04	-7.223E-05	-6.364E-05
3	65.50100	0.01516	24.322	24.322	0.930	1.818
	(STRAIN)	-7.222E-05	1.539E-04	1.539E-04	-7.222E-05	-6.363E-05
3	100.00000	0.01119	13.253	13.253	0.316	0.553
	(STRAIN)	-3.931E-05	8.575E-05	8.575E-05	-3.931E-05	-3.702E-05

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 NDAMA = 0, SO DAMAGE ANALYSIS WILL NOT BE PERFORMED
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THICKNESSES OF LAYERS (TH) ARE : 17.5 19 30
 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
 36.499 36.5 36.501 66.499 66.5 66.501 100
 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
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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	0.02669	550.000	631.240	440.285	610.588
	(STRAIN)	1.446E-04	3.387E-05	1.580E-04	3.387E-05	1.446E-04
1	0.00100	0.02715	548.493	741.979	548.493	653.006
	(STRAIN)	1.329E-04	6.500E-05	1.908E-04	6.500E-05	1.329E-04
1	17.49900	0.02466	121.175	121.881	-362.705	-277.051
	(STRAIN)	-1.581E-04	1.564E-04	1.569E-04	-1.581E-04	-1.024E-04
1	17.50000	0.02466	121.168	121.874	-362.771	-277.106
	(STRAIN)	-1.581E-04	1.565E-04	1.569E-04	-1.581E-04	-1.024E-04
1	17.50100	0.02466	121.163	123.612	-4.322	6.328
	(STRAIN)	-1.581E-04	3.797E-04	3.902E-04	-1.581E-04	-1.125E-04
1	36.49900	0.01975	49.778	51.325	-20.584	-13.925
	(STRAIN)	-1.069E-04	1.947E-04	2.013E-04	-1.069E-04	-7.836E-05
1	36.50000	0.01975	49.777	51.323	-20.585	-13.927
	(STRAIN)	-1.069E-04	1.946E-04	2.013E-04	-1.069E-04	-7.837E-05
1	36.50100	0.01975	49.775	51.706	-4.789	-1.250
	(STRAIN)	-1.069E-04	2.439E-04	2.563E-04	-1.069E-04	-8.415E-05
1	66.49900	0.01456	22.259	22.639	-8.770	-7.230
	(STRAIN)	-6.744E-05	1.320E-04	1.345E-04	-6.744E-05	-5.754E-05
1	66.50000	0.01456	22.259	22.638	-8.771	-7.230
	(STRAIN)	-6.744E-05	1.320E-04	1.345E-04	-6.744E-05	-5.754E-05
1	66.50100	0.01456	22.259	22.800	0.862	1.597
	(STRAIN)	-6.744E-05	1.394E-04	1.446E-04	-6.744E-05	-6.034E-05
1	100.00000	0.01099	12.694	12.884	0.308	0.527
	(STRAIN)	-3.818E-05	8.155E-05	8.339E-05	-3.818E-05	-3.606E-05

2	0.00000	0.02706	550.000	585.790	346.870	512.462
	(STRAIN)	1.163E-04	8.697E-06	1.640E-04	8.697E-06	1.163E-04
2	0.00100	0.02700	556.297	773.319	556.296	644.850
	(STRAIN)	1.230E-04	6.542E-05	2.065E-04	6.542E-05	1.230E-04
2	17.49900	0.02539	110.202	110.253	-338.157	-170.243
	(STRAIN)	-1.601E-04	1.314E-04	1.314E-04	-1.601E-04	-5.094E-05
2	17.50000	0.02539	110.198	110.248	-338.214	-170.273
	(STRAIN)	-1.601E-04	1.314E-04	1.314E-04	-1.601E-04	-5.094E-05
2	17.50100	0.02539	110.198	110.356	-4.532	20.782
	(STRAIN)	-1.601E-04	3.316E-04	3.323E-04	-1.601E-04	-5.161E-05
2	36.49900	0.02049	53.506	53.710	-22.091	-14.133
	(STRAIN)	-1.141E-04	2.099E-04	2.108E-04	-1.141E-04	-8.000E-05
2	36.50000	0.02049	53.504	53.708	-22.093	-14.134
	(STRAIN)	-1.141E-04	2.099E-04	2.108E-04	-1.141E-04	-8.000E-05
2	36.50100	0.02049	53.502	53.761	-5.125	0.058
	(STRAIN)	-1.141E-04	2.628E-04	2.644E-04	-1.141E-04	-8.078E-05
2	66.49900	0.01491	23.527	23.588	-9.241	-7.922
	(STRAIN)	-7.012E-05	1.405E-04	1.409E-04	-7.012E-05	-6.164E-05
2	66.50000	0.01491	23.527	23.587	-9.242	-7.923
	(STRAIN)	-7.012E-05	1.405E-04	1.409E-04	-7.012E-05	-6.164E-05
2	66.50100	0.01491	23.526	23.614	0.877	1.707
	(STRAIN)	-7.011E-05	1.488E-04	1.497E-04	-7.011E-05	-6.209E-05
2	100.00000	0.01114	13.126	13.157	0.311	0.544
	(STRAIN)	-3.903E-05	8.485E-05	8.515E-05	-3.903E-05	-3.677E-05
3	0.00000	0.02663	0.000	505.141	252.730	424.185
	(STRAIN)	9.841E-05	-1.303E-05	1.510E-04	-1.303E-05	9.841E-05
3	0.00100	0.02564	-2.029	400.728	-2.029	116.563
	(STRAIN)	-1.523E-06	-7.861E-05	1.832E-04	-7.861E-05	-1.523E-06
3	17.49900	0.02539	101.764	101.764	-316.621	-110.759
	(STRAIN)	-1.570E-04	1.150E-04	1.150E-04	-1.570E-04	-2.315E-05
3	17.50000	0.02539	101.762	101.762	-316.671	-110.775
	(STRAIN)	-1.570E-04	1.150E-04	1.150E-04	-1.570E-04	-2.315E-05
3	17.50100	0.02539	101.759	101.759	-4.468	26.757
	(STRAIN)	-1.570E-04	2.983E-04	2.983E-04	-1.570E-04	-2.316E-05
3	36.49900	0.02062	54.018	54.018	-22.316	-13.966
	(STRAIN)	-1.153E-04	2.118E-04	2.118E-04	-1.153E-04	-7.956E-05
3	36.50000	0.02062	54.016	54.016	-22.317	-13.967
	(STRAIN)	-1.153E-04	2.118E-04	2.118E-04	-1.153E-04	-7.956E-05
3	36.50100	0.02062	54.014	54.014	-5.183	0.383
	(STRAIN)	-1.153E-04	2.652E-04	2.652E-04	-1.153E-04	-7.956E-05
3	66.49900	0.01497	23.766	23.766	-9.330	-8.052
	(STRAIN)	-7.062E-05	1.421E-04	1.421E-04	-7.062E-05	-6.241E-05
3	66.50000	0.01497	23.765	23.765	-9.330	-8.053
	(STRAIN)	-7.062E-05	1.421E-04	1.421E-04	-7.062E-05	-6.241E-05
3	66.50100	0.01497	23.765	23.765	0.880	1.730
	(STRAIN)	-7.061E-05	1.506E-04	1.506E-04	-7.061E-05	-6.240E-05
3	100.00000	0.01117	13.206	13.206	0.312	0.548
	(STRAIN)	-3.918E-05	8.546E-05	8.546E-05	-3.918E-05	-3.690E-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 21 30
 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
 38.499 38.5 38.501 68.499 68.5 68.501 100
 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	0.02645	550.000	628.261	440.285	607.885
	(STRAIN)	1.437E-04	3.472E-05	1.569E-04	3.472E-05	1.437E-04
1	0.00100	0.02691	548.252	738.996	548.252	650.626
	(STRAIN)	1.322E-04	6.568E-05	1.897E-04	6.568E-05	1.322E-04
1	17.49900	0.02442	121.888	122.589	-359.601	-274.335
	(STRAIN)	-1.570E-04	1.559E-04	1.564E-04	-1.570E-04	-1.016E-04
1	17.50000	0.02442	121.881	122.581	-359.667	-274.390
	(STRAIN)	-1.571E-04	1.559E-04	1.564E-04	-1.571E-04	-1.016E-04
1	17.50100	0.02442	121.876	124.296	-3.467	7.153
	(STRAIN)	-1.571E-04	3.801E-04	3.905E-04	-1.571E-04	-1.115E-04
1	38.49900	0.01916	46.783	48.244	-19.657	-13.618
	(STRAIN)	-1.009E-04	1.839E-04	1.901E-04	-1.009E-04	-7.500E-05
1	38.50000	0.01916	46.782	48.243	-19.658	-13.620
	(STRAIN)	-1.009E-04	1.839E-04	1.901E-04	-1.009E-04	-7.500E-05
1	38.50100	0.01916	46.780	48.606	-4.709	-1.535
	(STRAIN)	-1.009E-04	2.301E-04	2.419E-04	-1.009E-04	-8.047E-05
1	68.49900	0.01422	21.303	21.657	-8.445	-7.021
	(STRAIN)	-6.461E-05	1.266E-04	1.289E-04	-6.461E-05	-5.545E-05
1	68.50000	0.01422	21.303	21.657	-8.445	-7.021
	(STRAIN)	-6.461E-05	1.266E-04	1.289E-04	-6.461E-05	-5.545E-05
1	68.50100	0.01422	21.303	21.808	0.776	1.454
	(STRAIN)	-6.461E-05	1.338E-04	1.387E-04	-6.461E-05	-5.806E-05
1	100.00000	0.01094	12.608	12.798	0.301	0.520
	(STRAIN)	-3.795E-05	8.103E-05	8.286E-05	-3.795E-05	-3.583E-05

2	0.00000	0.02681	550.000	582.448	346.870	509.499
	(STRAIN)	1.154E-04	9.643E-06	1.628E-04	9.643E-06	1.154E-04
2	0.00100	0.02675	556.279	769.923	556.280	641.942
	(STRAIN)	1.220E-04	6.636E-05	2.052E-04	6.636E-05	1.220E-04
2	17.49900	0.02514	110.997	111.049	-334.804	-167.161
	(STRAIN)	-1.590E-04	1.308E-04	1.308E-04	-1.590E-04	-5.002E-05
2	17.50000	0.02514	110.993	111.044	-334.860	-167.191
	(STRAIN)	-1.590E-04	1.308E-04	1.308E-04	-1.590E-04	-5.002E-05
2	17.50100	0.02514	110.992	111.153	-3.595	21.675
	(STRAIN)	-1.590E-04	3.321E-04	3.328E-04	-1.590E-04	-5.070E-05
2	38.49900	0.01986	50.406	50.608	-21.109	-14.119
	(STRAIN)	-1.076E-04	1.989E-04	1.998E-04	-1.076E-04	-7.760E-05
2	38.50000	0.01986	50.404	50.606	-21.111	-14.121
	(STRAIN)	-1.076E-04	1.989E-04	1.998E-04	-1.076E-04	-7.760E-05
2	38.50100	0.01986	50.402	50.659	-5.027	-0.489
	(STRAIN)	-1.076E-04	2.488E-04	2.504E-04	-1.076E-04	-7.838E-05
2	68.49900	0.01454	22.483	22.540	-8.885	-7.676
	(STRAIN)	-6.708E-05	1.346E-04	1.349E-04	-6.708E-05	-5.931E-05
2	68.50000	0.01454	22.483	22.540	-8.885	-7.676
	(STRAIN)	-6.708E-05	1.346E-04	1.349E-04	-6.708E-05	-5.931E-05
2	68.50100	0.01454	22.482	22.564	0.789	1.549
	(STRAIN)	-6.708E-05	1.426E-04	1.434E-04	-6.708E-05	-5.973E-05
2	100.00000	0.01109	13.038	13.069	0.303	0.536
	(STRAIN)	-3.879E-05	8.431E-05	8.461E-05	-3.879E-05	-3.654E-05
3	0.00000	0.02638	0.000	501.709	252.729	421.176
	(STRAIN)	9.742E-05	-1.207E-05	1.498E-04	-1.207E-05	9.742E-05
3	0.00100	0.02538	-2.029	397.273	-2.029	113.562
	(STRAIN)	-2.506E-06	-7.764E-05	1.819E-04	-7.764E-05	-2.506E-06
3	17.49900	0.02514	102.568	102.568	-313.221	-107.603
	(STRAIN)	-1.559E-04	1.144E-04	1.144E-04	-1.559E-04	-2.220E-05
3	17.50000	0.02514	102.565	102.565	-313.271	-107.618
	(STRAIN)	-1.559E-04	1.144E-04	1.144E-04	-1.559E-04	-2.220E-05
3	17.50100	0.02514	102.563	102.563	-3.519	27.669
	(STRAIN)	-1.559E-04	2.988E-04	2.988E-04	-1.559E-04	-2.221E-05
3	38.49900	0.01999	50.953	50.953	-21.341	-14.065
	(STRAIN)	-1.087E-04	2.011E-04	2.011E-04	-1.087E-04	-7.755E-05
3	38.50000	0.01999	50.951	50.951	-21.342	-14.066
	(STRAIN)	-1.087E-04	2.011E-04	2.011E-04	-1.087E-04	-7.755E-05
3	38.50100	0.01999	50.950	50.950	-5.083	-0.233
	(STRAIN)	-1.087E-04	2.515E-04	2.515E-04	-1.087E-04	-7.755E-05
3	68.49900	0.01461	22.706	22.706	-8.967	-7.798
	(STRAIN)	-6.754E-05	1.361E-04	1.361E-04	-6.754E-05	-6.003E-05
3	68.50000	0.01461	22.705	22.705	-8.967	-7.799
	(STRAIN)	-6.754E-05	1.361E-04	1.361E-04	-6.754E-05	-6.003E-05
3	68.50100	0.01461	22.705	22.705	0.791	1.568
	(STRAIN)	-6.754E-05	1.443E-04	1.443E-04	-6.754E-05	-6.003E-05
3	100.00000	0.01112	13.118	13.118	0.305	0.540
	(STRAIN)	-3.894E-05	8.492E-05	8.492E-05	-3.894E-05	-3.667E-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 22 30
 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
 39.499 39.5 39.501 69.499 69.5 69.501 100
 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	0.02634	550.000	626.878	440.285	606.620
	(STRAIN)	1.432E-04	3.512E-05	1.564E-04	3.512E-05	1.432E-04
1	0.00100	0.02680	588.999	769.123	588.999	681.019
	(STRAIN)	1.368E-04	7.698E-05	1.941E-04	7.698E-05	1.368E-04
1	17.49900	0.02431	122.210	122.907	-358.212	-273.108
	(STRAIN)	-1.566E-04	1.557E-04	1.562E-04	-1.566E-04	-1.013E-04
1	17.50000	0.02431	122.202	122.899	-358.278	-273.163
	(STRAIN)	-1.566E-04	1.557E-04	1.562E-04	-1.566E-04	-1.013E-04
1	17.50100	0.02431	122.197	124.601	-3.083	7.528
	(STRAIN)	-1.566E-04	3.803E-04	3.906E-04	-1.566E-04	-1.111E-04
1	39.49900	0.01888	45.390	46.808	-19.217	-13.465
	(STRAIN)	-9.805E-05	1.788E-04	1.849E-04	-9.805E-05	-7.340E-05
1	39.50000	0.01888	45.388	46.806	-19.218	-13.467
	(STRAIN)	-9.805E-05	1.788E-04	1.849E-04	-9.805E-05	-7.340E-05
1	39.50100	0.01888	45.387	47.160	-4.666	-1.660
	(STRAIN)	-9.805E-05	2.237E-04	2.351E-04	-9.805E-05	-7.873E-05
1	69.49900	0.01406	20.848	21.190	-8.288	-6.918
	(STRAIN)	-6.325E-05	1.240E-04	1.262E-04	-6.325E-05	-5.445E-05
1	69.50000	0.01406	20.847	21.189	-8.288	-6.919
	(STRAIN)	-6.325E-05	1.240E-04	1.262E-04	-6.325E-05	-5.445E-05
1	69.50100	0.01406	20.847	21.335	0.738	1.388
	(STRAIN)	-6.325E-05	1.311E-04	1.359E-04	-6.325E-05	-5.696E-05
1	100.00000	0.01091	12.567	12.756	0.297	0.516
	(STRAIN)	-3.783E-05	8.078E-05	8.260E-05	-3.783E-05	-3.572E-05

2	0.00000	0.02669	550.000	580.895	346.870	508.113
	(STRAIN)	1.149E-04	1.008E-05	1.622E-04	1.008E-05	1.149E-04
2	0.00100	0.02663	559.092	770.000	559.091	643.297
	(STRAIN)	1.223E-04	6.755E-05	2.046E-04	6.755E-05	1.223E-04
2	17.49900	0.02502	111.360	111.413	-333.306	-165.776
	(STRAIN)	-1.585E-04	1.305E-04	1.306E-04	-1.585E-04	-4.960E-05
2	17.50000	0.02502	111.355	111.408	-333.363	-165.805
	(STRAIN)	-1.585E-04	1.305E-04	1.306E-04	-1.585E-04	-4.961E-05
2	17.50100	0.02502	111.355	111.518	-3.173	22.078
	(STRAIN)	-1.585E-04	3.323E-04	3.330E-04	-1.585E-04	-5.029E-05
2	39.49900	0.01956	48.943	49.143	-20.638	-14.078
	(STRAIN)	-1.045E-04	1.937E-04	1.946E-04	-1.045E-04	-7.636E-05
2	39.50000	0.01956	48.942	49.142	-20.639	-14.079
	(STRAIN)	-1.045E-04	1.937E-04	1.946E-04	-1.045E-04	-7.637E-05
2	39.50100	0.01956	48.940	49.194	-4.975	-0.722
	(STRAIN)	-1.045E-04	2.421E-04	2.438E-04	-1.045E-04	-7.714E-05
2	69.49900	0.01437	21.986	22.041	-8.712	-7.554
	(STRAIN)	-6.563E-05	1.317E-04	1.321E-04	-6.563E-05	-5.818E-05
2	69.50000	0.01437	21.986	22.041	-8.713	-7.554
	(STRAIN)	-6.563E-05	1.317E-04	1.321E-04	-6.563E-05	-5.819E-05
2	69.50100	0.01437	21.985	22.064	0.749	1.477
	(STRAIN)	-6.563E-05	1.397E-04	1.404E-04	-6.563E-05	-5.859E-05
2	100.00000	0.01106	12.996	13.026	0.299	0.532
	(STRAIN)	-3.868E-05	8.406E-05	8.435E-05	-3.868E-05	-3.643E-05
3	0.00000	0.02626	0.000	500.114	252.729	419.766
	(STRAIN)	9.696E-05	-1.162E-05	1.492E-04	-1.162E-05	9.696E-05
3	0.00100	0.02526	-2.029	395.669	-2.029	112.155
	(STRAIN)	-2.969E-06	-7.719E-05	1.813E-04	-7.719E-05	-2.969E-06
3	17.49900	0.02501	102.937	102.937	-311.703	-106.186
	(STRAIN)	-1.554E-04	1.142E-04	1.142E-04	-1.554E-04	-2.178E-05
3	17.50000	0.02501	102.934	102.934	-311.753	-106.201
	(STRAIN)	-1.554E-04	1.142E-04	1.142E-04	-1.554E-04	-2.178E-05
3	17.50100	0.02501	102.932	102.932	-3.091	28.082
	(STRAIN)	-1.554E-04	2.990E-04	2.990E-04	-1.554E-04	-2.179E-05
3	39.49900	0.01968	49.499	49.499	-20.870	-14.066
	(STRAIN)	-1.056E-04	1.960E-04	1.960E-04	-1.056E-04	-7.647E-05
3	39.50000	0.01968	49.498	49.498	-20.871	-14.068
	(STRAIN)	-1.056E-04	1.960E-04	1.960E-04	-1.056E-04	-7.647E-05
3	39.50100	0.01968	49.496	49.496	-5.030	-0.495
	(STRAIN)	-1.056E-04	2.449E-04	2.449E-04	-1.056E-04	-7.647E-05
3	69.49900	0.01443	22.201	22.201	-8.792	-7.674
	(STRAIN)	-6.608E-05	1.332E-04	1.332E-04	-6.608E-05	-5.889E-05
3	69.50000	0.01443	22.200	22.200	-8.792	-7.674
	(STRAIN)	-6.608E-05	1.332E-04	1.332E-04	-6.608E-05	-5.889E-05
3	69.50100	0.01443	22.200	22.200	0.751	1.495
	(STRAIN)	-6.608E-05	1.413E-04	1.413E-04	-6.608E-05	-5.889E-05
3	100.00000	0.01109	13.076	13.076	0.301	0.536
	(STRAIN)	-3.883E-05	8.466E-05	8.466E-05	-3.883E-05	-3.656E-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 23 30
 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
 40.499 40.5 40.501 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	0.02623	550.000	625.555	440.286	605.414
	(STRAIN)	1.428E-04	3.550E-05	1.559E-04	3.550E-05	1.428E-04
1	0.00100	0.02669	550.262	734.567	550.260	646.722
	(STRAIN)	1.306E-04	6.794E-05	1.877E-04	6.794E-05	1.306E-04
1	17.49900	0.02420	122.510	123.204	-356.919	-271.960
	(STRAIN)	-1.561E-04	1.555E-04	1.559E-04	-1.561E-04	-1.009E-04
1	17.50000	0.02419	122.503	123.196	-356.984	-272.014
	(STRAIN)	-1.562E-04	1.555E-04	1.559E-04	-1.562E-04	-1.009E-04
1	17.50100	0.02419	122.498	124.884	-2.725	7.881
	(STRAIN)	-1.562E-04	3.805E-04	3.907E-04	-1.562E-04	-1.107E-04
1	40.49900	0.01860	44.059	45.434	-18.792	-13.313
	(STRAIN)	-9.535E-05	1.740E-04	1.799E-04	-9.535E-05	-7.186E-05
1	40.50000	0.01860	44.058	45.432	-18.794	-13.314
	(STRAIN)	-9.535E-05	1.740E-04	1.799E-04	-9.535E-05	-7.186E-05
1	40.50100	0.01860	44.056	45.777	-4.621	-1.773
	(STRAIN)	-9.535E-05	2.176E-04	2.286E-04	-9.535E-05	-7.704E-05
1	70.49900	0.01389	20.406	20.737	-8.134	-6.817
	(STRAIN)	-6.194E-05	1.215E-04	1.237E-04	-6.194E-05	-5.346E-05
1	70.50000	0.01389	20.406	20.736	-8.135	-6.817
	(STRAIN)	-6.194E-05	1.215E-04	1.237E-04	-6.194E-05	-5.346E-05
1	70.50100	0.01389	20.406	20.877	0.701	1.326
	(STRAIN)	-6.193E-05	1.285E-04	1.331E-04	-6.193E-05	-5.589E-05
1	100.00000	0.01089	12.528	12.716	0.293	0.512
	(STRAIN)	-3.773E-05	8.054E-05	8.236E-05	-3.773E-05	-3.562E-05

2	0.00000	0.02658	550.000	579.412	346.870	506.787
	(STRAIN)	1.145E-04	1.051E-05	1.617E-04	1.051E-05	1.145E-04
2	0.00100	0.02652	560.529	769.454	560.531	643.687
	(STRAIN)	1.223E-04	6.829E-05	2.041E-04	6.829E-05	1.223E-04
2	17.49900	0.02490	111.701	111.755	-331.914	-164.484
	(STRAIN)	-1.580E-04	1.303E-04	1.303E-04	-1.580E-04	-4.922E-05
2	17.50000	0.02490	111.697	111.750	-331.970	-164.514
	(STRAIN)	-1.581E-04	1.303E-04	1.303E-04	-1.581E-04	-4.922E-05
2	17.50100	0.02490	111.697	111.862	-2.779	22.455
	(STRAIN)	-1.581E-04	3.325E-04	3.333E-04	-1.581E-04	-4.992E-05
2	40.49900	0.01927	47.537	47.734	-20.179	-14.017
	(STRAIN)	-1.015E-04	1.887E-04	1.895E-04	-1.015E-04	-7.512E-05
2	40.50000	0.01927	47.535	47.732	-20.180	-14.019
	(STRAIN)	-1.015E-04	1.887E-04	1.895E-04	-1.015E-04	-7.512E-05
2	40.50100	0.01927	47.534	47.784	-4.922	-0.933
	(STRAIN)	-1.015E-04	2.357E-04	2.373E-04	-1.015E-04	-7.588E-05
2	70.49900	0.01420	21.505	21.558	-8.544	-7.434
	(STRAIN)	-6.423E-05	1.289E-04	1.293E-04	-6.423E-05	-5.709E-05
2	70.50000	0.01420	21.505	21.558	-8.545	-7.434
	(STRAIN)	-6.423E-05	1.289E-04	1.293E-04	-6.423E-05	-5.709E-05
2	70.50100	0.01420	21.504	21.580	0.711	1.408
	(STRAIN)	-6.423E-05	1.368E-04	1.375E-04	-6.423E-05	-5.748E-05
2	100.00000	0.01104	12.956	12.986	0.295	0.528
	(STRAIN)	-3.857E-05	8.381E-05	8.410E-05	-3.857E-05	-3.632E-05
3	0.00000	0.02614	0.000	498.595	252.729	418.416
	(STRAIN)	9.651E-05	-1.119E-05	1.486E-04	-1.119E-05	9.651E-05
3	0.00100	0.02514	-2.029	394.142	-2.029	110.808
	(STRAIN)	-3.413E-06	-7.676E-05	1.808E-04	-7.676E-05	-3.413E-06
3	17.49900	0.02490	103.284	103.284	-310.293	-104.864
	(STRAIN)	-1.549E-04	1.139E-04	1.139E-04	-1.549E-04	-2.138E-05
3	17.50000	0.02490	103.282	103.282	-310.342	-104.879
	(STRAIN)	-1.549E-04	1.139E-04	1.139E-04	-1.549E-04	-2.138E-05
3	17.50100	0.02489	103.279	103.279	-2.690	28.469
	(STRAIN)	-1.549E-04	2.992E-04	2.992E-04	-1.549E-04	-2.139E-05
3	40.49900	0.01939	48.096	48.096	-20.410	-14.042
	(STRAIN)	-1.026E-04	1.910E-04	1.910E-04	-1.026E-04	-7.534E-05
3	40.50000	0.01939	48.095	48.095	-20.412	-14.044
	(STRAIN)	-1.026E-04	1.910E-04	1.910E-04	-1.026E-04	-7.534E-05
3	40.50100	0.01939	48.093	48.093	-4.975	-0.730
	(STRAIN)	-1.026E-04	2.385E-04	2.385E-04	-1.026E-04	-7.534E-05
3	70.49900	0.01426	21.712	21.712	-8.621	-7.550
	(STRAIN)	-6.465E-05	1.303E-04	1.303E-04	-6.465E-05	-5.777E-05
3	70.50000	0.01426	21.712	21.712	-8.621	-7.550
	(STRAIN)	-6.465E-05	1.303E-04	1.303E-04	-6.465E-05	-5.777E-05
3	70.50100	0.01426	21.711	21.711	0.714	1.426
	(STRAIN)	-6.465E-05	1.383E-04	1.383E-04	-6.465E-05	-5.777E-05
3	100.00000	0.01107	13.035	13.035	0.297	0.532
	(STRAIN)	-3.872E-05	8.441E-05	8.441E-05	-3.872E-05	-3.645E-05