APPENDIX A

Magnetic Data

Table A-1 to Table A-8 are lists of Magnetic gradient data from Area 1 and 2 where the table headers are:

- line and station number (Line/STN)
- average total magmatic intensity from 2 sensor reading in nT (TMI)
- magnetic field gradient or the different of 2 sensor reading divide by sensor spacing in nT/m (Gradient)
- the coordinate reference to WGS84 datum (X and Y)

Table A-1 The horizontal magnetic gradient data from Area 1, sensor spacing 0.5 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	44731.40	117.90	497874.00	2121634.00	L2 2	44642.40	84.10	497875.50	2121634.55
L1 2	44734.40	115.80	497874.90	2121633.55	L2 3	44653.20	58.20	497876.40	2121634.10
L1 3	44737.80	90.30	497875.80	2121633.10	L2 4	44666.10	65.40	497877.30	2121633.65
L1 4	44739.60	94.60	497876.70	2121632.65	L2 5	44649.70	72.10	497878.20	2121633.20
L1 5	44752.30	179.00	497877.60	2121632.20	L2 6	44634.50	37.20	497879.10	2121632.75
L1 6	44764.10	78.90	497878.50	2121631.75	L2 7	44674.80	58.20	497880.00	2121632.30
L1 7	44749.40	100.40	497879.40	2121631.30	L2 8	44688.90	60.00	497880.90	2121631.85
L1 8	44756.70	109.40	497880.30	2121630.85	L2 9	44696.80	58.30	497881.80	2121631.40
L1 9	44718.20	75.90	497881.20	2121630.40	L2 10	44725.00	30.00	497882.70	2121630.95
L1 10	44685.90	80.00	497882.10	2121629.95	L2 11	44746.00	55.00	497883.60	2121630.50
L1 11	44837.60	83.00	497883.00	2121629.50	L2 12	44755.00	90.00	497884.50	2121630.05
L1 12	44860.30	93.70	497883.90	2121629.05	L2 13	44767.50	89.50	497885.40	2121629.60
L1 13	44853.50	152.40	497884.80	2121628.60	L2 14	44787.80	117.20	497886.30	2121629.15
L1 14	44888.00	122.30	497885.70	2121628.15	L2 15	44755.60	120.50	497887.20	2121628.70
L1 15	44887.30	141.30	497886.60	2121627.70	L2 16	44720.00	159.50	497888.10	2121628.25
L1 16	44853.80	147.00	497887.50	2121627.25	L2 17	44648.00	179.90	497889.00	2121627.80
L1 17	44794.10	123.10	497888.40	2121626.80	L2 18	44597.70	147.60	497889.90	2121627.35
L1 18	44708.40	117.10	497889.30	2121626.35	L2 19	44553.40	92.70	497890.80	2121626.90
L1 19	44628.20	90.20	497890.20	2121625.90	L2 20	44469.30	96.00	497891.70	2121626.45
L1 20	44531.80	85.50	497891.10	2121625.45	L2 21	44368.00	155.20	497892.60	2121626.00
L1 21	44363.10	104.50	497892.00	2121625.00	L3 1	44567.10	59.30	497875.20	2121636.00
L2 1	44643.40	84.90	497874.60	2121635.00	L3 2	44575.30	82.30	497876.10	2121635.55
L3 3	44613.90	29.70	497877.00	2121635.10	L5 2	44446.00	92.20	497877.30	2121637.55
L3 4	44565.20	99.80	497877.90	2121634.65	L5 3	44456.50	74.50	497878.20	2121637.10
L3 5	44587.20	74.90	497878.80	2121634.20	L5 4	44457.90	38.00	497879.10	2121636.65
L3 6	44616.40	44.40	497879.70	2121633.75	L5 5	44511.40	36.80	497880.00	2121636.20
L3 7	44629.80	64.30	497880.60	2121633.30	L5 6	44543.00	13.20	497880.90	2121635.75
L3 8	44634.30	67.80	497881.50	2121632.85	L5 7	44579.90	-24.10	497881.80	2121635.30
L3 9	44591.00	119.10	497882.40	2121632.40	L5 8	44545.50	21.50	497882.70	2121634.85
L3 10	44584.10	150.00	497883.30	2121631.95	L5 9	44516.30	50.70	497883.60	2121634.40
L3 11	44644.00	120.00	497884.20	2121631.50	L5 10	44491.20	80.30	497884.50	2121633.95
L3 12	44681.40	55.20	497885.10	2121631.05	L5 11	44481.70	77.90	497885.40	2121633.50
L3 13	44700.80	74.90	497886.00	2121630.60	L5 12	44519.20	149.70	497886.30	2121633.05

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L3 14	44670.40	136.80	497886.90	2121630.15	L5 13	44585.40	-3.10	497887.20	2121632.60
L3 15	44663.30	78.80	497887.80	2121629.70	L5 14	44650.90	-6.40	497888.10	2121632.15
L3 16	44613.00	76.60	497888.70	2121629.25	L5 15	44680.40	-40.00	497889.00	2121631.70
L3 17	44557.00	78.90	497889.60	2121628.80	L5 16	44561.30	-22.90	497889.90	2121631.25
L3 18	44524.70	43.30	497890.50	2121628.35	L5 17	44382.50	122.00	497890.80	2121630.80
L3 19	44499.50	72.50	497891.40	2121627.90	L5 18	44332.80	91.40	497891.70	2121630.35
L3 20	44460.90	19.50	497892.30	2121627.45	L5 19	44328.60	91.30	497892.60	2121629.90
L3 21	44400.00	16.00	497893.20	2121627.00	L5 20	44333.40	136.20	497893.50	2121629.45
L4 1	44488.50	77.10	497875.80	2121637.00	L5 21	44320.00	130.00	497894.40	2121629.00
L4 2	44485.30	78.70	497876.70	2121636.55	L6 1	44250.00	150.00	497877.00	2121639.00
L4 3	44528.80	114.50	497877.60	2121636.10	L6 2	44288.40	121.90	497877.90	2121638.55
L4 4	44499.80	60.50	497878.50	2121635.65	L6 3	44392.90	35.90	497878.80	2121638.10
L4 5	44551.30	35.80	497879.40	2121635.20	L6 4	44442.40	7.80	497879.70	2121637.65
L4 6	44572.40	62.90	497880.30	2121634.75	L6 5	44539.50	-44.20	497880.60	2121637.20
L4 7	44575.60	51.20	497881.20	2121634.30	L6 6	44563.40	-29.40	497881.50	2121636.75
L4 8	44567.40	58.90	497882.10	2121633.85	L6 7	44598.60	6.10	497882.40	2121636.30
L4 9	44555.20	36.50	497883.00	2121633.40	L6 8	44528.40	25.90	497883.30	2121635.85
L4 10	44538.40	50.00	497883.90	2121632.95	L6 9	44473.50	62.80	497884.20	2121635.40
L4 11	44496.10	60.00	497884.80	2121632.50	L6 10	44416.30	90.40	497885.10	2121634.95
L4 12	44644.20	65.00	497885.70	2121632.05	L6 11	44361.00	171.80	497886.00	2121634.50
L4 13	44625.70	56.70	497886.60	2121631.60	L6 12	44351.80	244.40	497886.90	2121634.05
L4 14	44663.40	10.00	497887.50	2121631.15	L6 13	44578.20	-7.30	497887.80	2121633.60
L4 15	44542.30	30.00	497888.40	2121630.70	L6 14	44743.60	-103.60	497888.70	2121633.15
L4 16	44541.70	56.10	497889.30	2121630.25	L6 15	44924.90	-100.00	497889.60	2121632.70
L4 17	44457.90	98.90	497890.20	2121629.80	L6 16	44553.40	5.00	497890.50	2121632.25
L4 18	44399.80	121.00	497891.10	2121629.35	L6 17	44164.10	294.10	497891.40	2121631.80
L4 19	44380.00	89.30	497892.00	2121628.90	L6 18	44180.00	234.60	497892.30	2121631.35
L4 20	44551.90	120.00	497892.90	2121628.45	L6 19	44223.20	59.60	497893.20	2121630.90
L4 21	44521.20	110.00	497893.80	2121628.00	L6 20	44212.30	92.10	497894.10	2121630.45
L5 1	44583.90	103.00	497876.40	2121638.00	L6 21	44237.50	100.00	497895.00	2121630.00

Table A-2 The horizontal magnetic gradient from Area 1, sensor spacing 1.0 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	44679.30	106.30	497874.00	2121634.00	L3 1	44541.50	70.00	497875.20	2121636.00
L1 2	44673.50	102.70	497874.90	2121633.55	L3 2	44561.40	62.10	497876.10	2121635.55
L1 3	44685.90	88.40	497875.80	2121633.10	L3 3	44576.50	54.00	497877.00	2121635.10
L1 4	44692.80	91.80	497876.70	2121632.65	L3 4	44555.00	70.60	497877.90	2121634.65
L1 5	44677.00	131.90	497877.60	2121632.20	L3 5	44586.70	38.10	497878.80	2121634.20
L1 6	44683.50	107.40	497878.50	2121631.75	L3 6	44605.30	37.20	497879.70	2121633.75
L1 7	44714.10	85.30	497879.40	2121631.30	L3 7	44607.40	55.30	497880.60	2121633.30
L1 8	44715.00	92.50	497880.30	2121630.85	L3 8	44598.10	69.30	497881.50	2121632.85
L1 9	44730.50	1.30	497881.20	2121630.40	L3 9	44575.60	94.50	497882.40	2121632.40
L1 10	44824.70	-119.70	497882.10	2121629.95	L3 10	44496.70	102.00	497883.30	2121631.95
L1 11	44890.50	-21.80	497883.00	2121629.50	L3 11	44321.20	80.00	497884.20	2121631.50
L1 12	44809.00	110.20	497883.90	2121629.05	L3 12	44584.00	42.00	497885.10	2121631.05
L1 13	44825.50	115.40	497884.80	2121628.60	L3 13	44667.00	70.20	497886.00	2121630.60
L1 14	44829.10	124.20	497885.70	2121628.15	L3 14	44686.30	54.50	497886.90	2121630.15
L1 15	44805.00	135.00	497886.60	2121627.70	L3 15	44637.60	82.00	497887.80	2121629.70
L1 16	44766.30	133.40	497887.50	2121627.25	L3 16	44574.90	92.40	497888.70	2121629.25
L1 17	44701.90	119.80	497888.40	2121626.80	L3 17	44524.20	91.80	497889.60	2121628.80
L1 18	44635.40	98.70	497889.30	2121626.35	L3 18	44487.50	80.20	497890.50	2121628.35
L1 19	44556.30	88.20	497890.20	2121625.90	L3 19	44471.10	55.20	497891.40	2121627.90
L1 20	44447.00	73.90	497891.10	2121625.45	L3 20	44399.50	25.80	497892.30	2121627.45
L1 21	44267.00	75.30	497892.00	2121625.00	L3 21	44315.30	-33.10	497893.20	2121627.00
L2 1	44616.30	73.30	497874.60	2121635.00	L4 1	44483.10	57.20	497875.80	2121637.00
L2 2	44620.60	67.60	497875.50	2121634.55	L4 2	44502.70	58.60	497876.70	2121636.55

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L2 3	44626.30	61.70	497876.40	2121634.10	L4 3	44494.10	46.00	497877.60	2121636.10
L2 4	44624.20	70.80	497877.30	2121633.65	L4 4	44522.50	32.70	497878.50	2121635.65
L2 5	44625.30	61.80	497878.20	2121633.20	L4 5	44552.30	32.20	497879.40	2121635.20
L2 6	44644.60	42.80	497879.10	2121632.75	L4 6	44567.00	39.00	497880.30	2121634.75
L2 7	44659.80	53.50	497880.00	2121632.30	L4 7	44561.80	48.40	497881.20	2121634.30
L2 8	44664.20	57.70	497880.90	2121631.85	L4 8	44552.80	49.00	497882.10	2121633.85
L2 9	44664.60	56.40	497881.80	2121631.40	L4 9	44551.40	26.50	497883.00	2121633.40
L2 10	44666.50	56.80	497882.70	2121630.95	L4 10	44521.70	-23.40	497883.90	2121632.95
L2 11	44797.40	70.00	497883.60	2121630.50	L4 11	44587.40	-70.00	497884.80	2121632.50
L2 12	44794.80	99.20	497884.50	2121630.05	L4 12	44634.00	-93.10	497885.70	2121632.05
L2 13	44628.30	90.00	497885.40	2121629.60	L4 13	44644.00	18.50	497886.60	2121631.60
L2 14	44734.70	87.90	497886.30	2121629.15	L4 14	44637.30	42.40	497887.50	2121631.15
L2 15	44729.30	113.80	497887.20	2121628.70	L4 15	44540.60	55.30	497888.40	2121630.70
L2 16	44698.00	124.10	497888.10	2121628.25	L4 16	44507.40	72.60	497889.30	2121630.25
L2 17	44653.00	132.20	497889.00	2121627.80	L4 17	44422.80	94.30	497890.20	2121629.80
L2 18	44595.90	130.80	497889.90	2121627.35	L4 18	44388.10	109.60	497891.10	2121629.35
L2 19	44550.60	99.10	497890.80	2121626.90	L4 19	44397.40	73.40	497892.00	2121628.90
L2 20	44504.20	75.60	497891.70	2121626.45	L4 20	44476.50	-57.10	497892.90	2121628.45
L2 21	44415.90	64.00	497892.60	2121626.00	L4 21	44358.70	-40.70	497893.80	2121628.00
L5 1	44559.70	-75.50	497876.40	2121638.00	L6 1	44194.80	180.00	497877.00	2121639.00
L5 2	44409.10	85.10	497877.30	2121637.55	L6 2	44327.80	81.10	497877.90	2121638.55
L5 3	44438.30	68.90	497878.20	2121637.10	L6 3	44370.80	67.90	497878.80	2121638.10
L5 4	44479.20	26.70	497879.10	2121636.65	L6 4	44518.70	-35.80	497879.70	2121637.65
L5 5	44530.80	19.00	497880.00	2121636.20	L6 5	44577.10	-45.60	497880.60	2121637.20
L5 6	44566.30	-0.30	497880.90	2121635.75	L6 6	44652.20	-85.90	497881.50	2121636.75
L5 7	44575.90	-10.80	497881.80	2121635.30	L6 7	44574.50	2.00	497882.40	2121636.30
L5 8	44521.70	33.10	497882.70	2121634.85	L6 8	44489.80	41.10	497883.30	2121635.85
L5 9	44499.10	50.20	497883.60	2121634.40	L6 9	44425.20	84.60	497884.20	2121635.40
L5 10	44467.40	66.90	497884.50	2121633.95	L6 10	44334.80	143.30	497885.10	2121634.95
L5 11	44481.70	59.40	497885.40	2121633.50	L6 11	44225.10	160.00	497886.00	2121634.50
L5 12	44532.70	103.80	497886.30	2121633.05	L6 12	44513.30	68.90	497886.90	2121634.05
L5 13	44639.90	-6.50	497887.20	2121632.60	L6 13	44669.10	-17.90	497887.80	2121633.60
L5 14	44717.20	-80.20	497888.10	2121632.15	L6 14	45038.40	-40.00	497888.70	2121633.15
L5 15	44661.10	-124.40	497889.00	2121631.70	L6 15	44673.30	-76.70	497889.60	2121632.70
L5 16	44454.10	67.50	497889.90	2121631.25	L6 16	44398.70	71.40	497890.50	2121632.25
L5 17	44298.40	140.40	497890.80	2121630.80	L6 17	44044.00	100.00	497891.40	2121631.80
L5 18	44311.00	72.00	497891.70	2121630.35	L6 18	44210.70	104.40	497892.30	2121631.35
L5 19	44286.50	97.40	497892.60	2121629.90	L6 19	44235.70	44.90	497893.20	2121630.90
L5 20	44325.50	152.00	497893.50	2121629.45	L6 20	44313.70	30.40	497894.10	2121630.45
L5 21	44038.90	160.00	497894.40	2121629.00	L6 21	44632.40	25.00	497895.00	2121630.00

Table A-3 The vertical magnetic gradient data from Area 1, sensor spacing 0.5 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	44705.30	18.70	497874.00	2121634.00	L1 19	44670.70	-72.20	497890.20	2121625.90
L1 2	44744.90	-26.30	497874.90	2121633.55	L1 20	44563.40	-90.60	497891.10	2121625.45
L1 3	44751.50	-48.50	497875.80	2121633.10	L1 21	44500.00	38.50	497892.00	2121625.00
L1 4	44743.90	-25.30	497876.70	2121632.65	L2 1	44636.00	-0.50	497874.60	2121635.00
L1 5	44751.00	-56.00	497877.60	2121632.20	L2 2	44639.70	0.00	497875.50	2121634.55
L1 6	44818.70	-76.40	497878.50	2121631.75	L2 3	44658.50	-17.60	497876.40	2121634.10
L1 7	44755.10	-13.70	497879.40	2121631.30	L2 4	44688.40	-39.50	497877.30	2121633.65
L1 8	44756.90	0.30	497880.30	2121630.85	L2 5	44649.30	16.40	497878.20	2121633.20
L1 9	44718.50	17.30	497881.20	2121630.40	L2 6	44667.80	-20.10	497879.10	2121632.75
L1 10	44768.00	20.00	497882.10	2121629.95	L2 7	44697.30	-17.90	497880.00	2121632.30
L1 11	44843.70	10.70	497883.00	2121629.50	L2 8	44656.70	47.60	497880.90	2121631.85
L1 12	44813.50	49.30	497883.90	2121629.05	L2 9	44690.30	26.70	497881.80	2121631.40

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 13	44805.40	75.60	497884.80	2121628.60	L2 10	44896.30	-117.40	497882.70	2121630.95
L1 14	44885.40	2.80	497885.70	2121628.15	L2 11	44895.00	-110.00	497883.60	2121630.50
L1 15	44873.40	-0.50	497886.60	2121627.70	L2 12	44871.60	-85.30	497884.50	2121630.05
L1 16	44851.20	-27.90	497887.50	2121627.25	L2 13	44868.00	59.60	497885.40	2121629.60
L1 17	44795.30	-33.90	497888.40	2121626.80	L2 14	44866.80	-66.90	497886.30	2121629.15
L1 18	44663.60	38.20	497889.30	2121626.35	L2 15	44787.60	-4.20	497887.20	2121628.70
L2 16	44799.30	-52.70	497888.10	2121628.25	L4 18	44451.70	16.50	497891.10	2121629.35
L2 17	44670.90	13.90	497889.00	2121627.80	L4 19	44403.40	37.20	497892.00	2121628.90
L2 18	44660.90	-30.70	497889.90	2121627.35	L4 20	44391.30	14.10	497892.90	2121628.45
L2 19	44589.80	-41.00	497890.80	2121626.90	L4 21	44377.30	-29.10	497893.80	2121628.00
L2 20	44491.00	-48.50	497891.70	2121626.45	L5 1	44503.00	-40.00	497876.40	2121638.00
L2 21	44406.00	108.80	497892.60	2121626.00	L5 2	44516.90	-46.30	497877.30	2121637.55
L3 1	44580.50	-11.00	497875.20	2121636.00	L5 3	44519.20	-43.90	497878.20	2121637.10
L3 2	44551.90	25.80	497876.10	2121635.55	L5 4	44513.70	-29.60	497879.10	2121636.65
L3 3	44653.20	-54.10	497877.00	2121635.10	L5 5	44525.20	-0.20	497880.00	2121636.20
L3 4	44532.50	51.50	497877.90	2121634.65	L5 6	44504.10	54.50	497880.90	2121635.75
L3 5	44587.60	4.10	497878.80	2121634.20	L5 7	44546.70	18.30	497881.80	2121635.30
L3 6	44638.00	-17.80	497879.70	2121633.75	L5 8	44523.20	30.10	497882.70	2121634.85
L3 7	44661.00	-30.00	497880.60	2121633.30	L5 9	44513.20	36.30	497883.60	2121634.40
L3 8	44671.30	-49.20	497881.50	2121632.85	L5 10	44443.40	92.50	497884.50	2121633.95
L3 9	44530.20	84.50	497882.40	2121632.40	L5 11	44535.10	30.90	497885.40	2121633.50
L3 10	44602.50	52.10	497883.30	2121631.95	L5 12	44569.00	51.80	497886.30	2121633.05
L3 11	44650.00	10.00	497884.20	2121631.50	L5 13	44559.00	119.30	497887.20	2121632.60
L3 12	44698.00	-67.20	497885.10	2121631.05	L5 14	44507.60	209.80	497888.10	2121632.15
L3 13	44669.00	-38.30	497886.00	2121630.60	L5 15	44562.00	114.70	497889.00	2121631.70
L3 14	44608.90	100.00	497886.90	2121630.15	L5 16	44463.90	100.20	497889.90	2121631.25
L3 15	44575.90	112.60	497887.80	2121629.70	L5 17	44378.40	55.30	497890.80	2121630.80
L3 16	44582.70	60.40	497888.70	2121629.25	L5 18	44318.80	57.50	497891.70	2121630.35
L3 17	44569.00	20.30	497889.60	2121628.80	L5 19	44436.50	-80.00	497892.60	2121629.90
L3 18	44554.30	-16.10	497890.50	2121628.35	L5 20	44489.90	-77.30	497893.50	2121629.45
L3 19	44525.90	-38.60	497891.40	2121627.90	L5 21	44465.50	-134.00	497894.40	2121629.00
L3 20	44463.90	-45.30	497892.30	2121627.45	L6 1	44071.10	287.10	497877.00	2121639.00
L3 21	44399.10	-102.40	497893.20	2121627.00	L6 2	44224.50	145.00	497877.90	2121638.55
L4 1	44481.00	41.90	497875.80	2121637.00	L6 3	44421.90	-23.60	497878.80	2121638.10
L4 2	44493.50	28.90	497876.70	2121636.55	L6 4	44446.10	13.60	497879.70	2121637.65
L4 3	44583.30	-46.40	497877.60	2121636.10	L6 5	44545.80	-7.00	497880.60	2121637.20
L4 4	44514.40	21.30	497878.50	2121635.65	L6 6	44537.30	35.10	497881.50	2121636.75
L4 5	44561.80	-1.10	497879.40	2121635.20	L6 7	44622.20	-59.10	497882.40	2121636.30
L4 6	44612.50	-30.90	497880.30	2121634.75	L6 8	44522.00	-0.30	497883.30	2121635.85
L4 7	44579.10	14.60	497881.20	2121634.30	L6 9	44481.50	20.60	497884.20	2121635.40
L4 8	44586.60	-2.00	497882.10	2121633.85	L6 10	44387.70	98.30	497885.10	2121634.95
L4 9	44545.90	41.40	497883.00	2121633.40	L6 11	44250.10	251.30	497886.00	2121634.50
L4 10	44518.30	49.20	497883.90	2121632.95	L6 12	44273.50	327.20	497886.90	2121634.05
L4 11	44489.00	53.00	497884.80	2121632.50	L6 13	44438.00	329.60	497887.80	2121633.60
L4 12	44563.00	50.00	497885.70	2121632.05	L6 14	44590.20	350.90	497888.70	2121633.15
L4 13	44617.40	52.30	497886.60	2121631.60	L6 15	44757.50	184.00	497889.60	2121632.70
L4 14	44564.00	42.00	497887.50	2121631.15	L6 16	44403.60	200.00	497890.50	2121632.25
L4 15	44563.00	40.00	497888.40	2121630.70	L6 17	44002.70	298.20	497891.40	2121631.80
L4 16	44553.10	34.30	497889.30	2121630.25	L6 18	44072.40	116.90	497892.30	2121631.35
L4 17	44486.80	32.20	497890.20	2121629.80	L6 19	44199.00	47.50	497893.20	2121630.90
L6 20	44058.20	374.60	497894.10	2121630.45	L6 21	44092.10	316.10	497895.00	2121630.00

Table A-4 The vertical magnetic gradient from Area 1, sensor spacing 1.0 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	44747.50	3.40	497874.00	2121634.00	L2 19	44582.50	-32.50	497890.80	2121626.90
L1 2	44757.80	-31.60	497874.90	2121633.55	L2 20	44503.30	-55.90	497891.70	2121626.45

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 3	44755.60	-19.80	497875.80	2121633.10	L2 21	44339.30	-24.80	497892.60	2121626.00
L1 4	44763.10	-10.90	497876.70	2121632.65	L3 1	44580.50	-8.70	497875.20	2121636.00
L1 5	44829.20	-92.60	497877.60	2121632.20	L3 2	44580.70	7.60	497876.10	2121635.55
L1 6	44787.20	-39.10	497878.50	2121631.75	L3 3	44636.70	-67.50	497877.00	2121635.10
L1 7	44775.50	0.20	497879.40	2121631.30	L3 4	44562.50	47.00	497877.90	2121634.65
L1 8	44779.60	14.70	497880.30	2121630.85	L3 5	44595.00	15.10	497878.80	2121634.20
L1 9	44662.00	181.30	497881.20	2121630.40	L3 6	44636.60	-28.10	497879.70	2121633.75
L1 10	44369.10	200.00	497882.10	2121629.95	L3 7	44656.90	-36.70	497880.60	2121633.30
L1 11	44778.70	139.20	497883.00	2121629.50	L3 8	44659.10	-30.80	497881.50	2121632.85
L1 12	44866.70	55.60	497883.90	2121629.05	L3 9	44602.80	78.70	497882.40	2121632.40
L1 13	44873.70	79.20	497884.80	2121628.60	L3 10	44636.40	54.80	497883.30	2121631.95
L1 14	44911.80	23.30	497885.70	2121628.15	L3 11	44935.80	36.00	497884.20	2121631.50
L1 15	44906.00	-2.00	497886.60	2121627.70	L3 12	44596.70	21.10	497885.10	2121631.05
L1 16	44877.30	0.90	497887.50	2121627.25	L3 13	44712.50	48.00	497886.00	2121630.60
L1 17	44799.10	11.10	497888.40	2121626.80	L3 14	44686.50	72.80	497886.90	2121630.15
L1 18	44694.90	44.20	497889.30	2121626.35	L3 15	44667.30	69.60	497887.80	2121629.70
L1 19	44656.60	-50.30	497890.20	2121625.90	L3 16	44614.80	103.10	497888.70	2121629.25
L1 20	44548.90	-55.30	497891.10	2121625.45	L3 17	44584.50	52.80	497889.60	2121628.80
L1 21	44351.90	-7.60	497892.00	2121625.00	L3 18	44518.40	78.00	497890.50	2121628.35
L2 1	44646.50	14.20	497874.60	2121635.00	L3 19	44538.30	-54.50	497891.40	2121627.90
L2 2	44652.80	6.90	497875.50	2121634.55	L3 20	44467.10	-31.90	497892.30	2121627.45
L2 3	44653.30	12.20	497876.40	2121634.10	L3 21	44234.30	-10.00	497893.20	2121627.00
L2 4	44687.90	-38.00	497877.30	2121633.65	L4 1	44500.80	26.60	497875.80	2121637.00
L2 5	44656.40	14.30	497878.20	2121633.20	L4 2	44455.80	3.60	497876.70	2121636.55
L2 6	44550.60	10.00	497879.10	2121632.75	L4 3	44550.70	-20.80	497877.60	2121636.10
L2 7	44692.20	-1.20	497880.00	2121632.30	L4 4	44541.50	-1.50	497878.50	2121635.65
L2 8	44689.30	25.30	497880.90	2121631.85	L4 5	44551.70	2.00	497879.40	2121635.20
L2 9	44701.00	22.50	497881.80	2121631.40	L4 6	44608.80	-49.80	497880.30	2121634.75
L2 10	44845.80	-116.50	497882.70	2121630.95	L4 7	44591.80	-1.30	497881.20	2121634.30
L2 11	45149.90	-90.00	497883.60	2121630.50	L4 8	44585.40	13.90	497882.10	2121633.85
L2 12	44828.20	-39.90	497884.50	2121630.05	L4 9	44566.80	24.00	497883.00	2121633.40
L2 13	44773.30	40.00	497885.40	2121629.60	L4 10	44538.00	66.90	497883.90	2121632.95
L2 14	44832.90	-32.50	497886.30	2121629.15	L4 11	44364.40	55.00	497884.80	2121632.50
L2 15	44792.40	4.90	497887.20	2121628.70	L4 12	44513.80	17.70	497885.70	2121632.05
L2 16	44771.70	-21.50	497888.10	2121628.25	L4 13	44682.00	45.00	497886.60	2121631.60
L2 17	44693.30	9.80	497889.00	2121627.80	L4 14	44637.70	74.00	497887.50	2121631.15
L2 18	44649.60	-17.90	497889.90	2121627.35	L4 15	44783.10	80.00	497888.40	2121630.70
L4 16	44571.30	65.50	497889.30	2121630.25	L5 19	44361.20	-2.70	497892.60	2121629.90
L4 17	44521.60	38.10	497890.20	2121629.80	L5 20	44485.60	-139.40	497893.50	2121629.45
L4 18	44477.90	31.70	497891.10	2121629.35	L5 21	44514.10	-122.90	497894.40	2121629.00
L4 19	44447.00	39.00	497892.00	2121628.90	L6 1	44300.50	73.00	497877.00	2121639.00
L4 20	44471.20	36.00	497892.90	2121628.45	L6 2	44273.70	60.00	497877.90	2121638.55
L4 21	44371.10	17.40	497893.80	2121628.00	L6 3	44410.90	45.90	497878.80	2121638.10
L5 1	44561.10	-30.00	497876.40	2121638.00	L6 4	44392.10	42.70	497879.70	2121637.65
L5 2	44496.50	-23.00	497877.30	2121637.55	L6 5	44452.30	23.70	497880.60	2121637.20
L5 3	44490.80	-20.40	497878.20	2121637.10	L6 6	44524.40	19.50	497881.50	2121636.75
L5 4	44492.30	9.40	497879.10	2121636.65	L6 7	44553.80	38.50	497882.40	2121636.30
L5 5	44536.10	-6.80	497880.00	2121636.20	L6 8	44658.60	27.00	497883.30	2121635.85
L5 6	44540.70	26.60	497880.90	2121635.75	L6 9	44523.80	11.20	497884.20	2121635.40
L5 7	44561.70	10.50	497881.80	2121635.30	L6 10	44482.90	15.50	497885.10	2121634.95
L5 8	44535.80	29.90	497882.70	2121634.85	L6 11	44415.90	89.90	497886.00	2121634.50
L5 9	44529.40	22.10	497883.60	2121634.40	L6 12	44362.50	195.10	497886.90	2121634.05
L5 10	44483.90	37.00	497884.50	2121633.95	L6 13	44408.30	234.10	497887.80	2121633.60
L5 11	44526.90	45.50	497885.40	2121633.50	L6 14	44535.80	289.40	497888.70	2121633.15
L5 12	44581.70	52.50	497886.30	2121633.05	L6 15	44699.40	271.50	497889.60	2121632.70
L5 13	44575.10	145.70	497887.20	2121632.60	L6 16	44765.20	152.20	497890.50	2121632.25
L5 14	44595.70	168.20	497888.10	2121632.15	L6 17	44465.80	225.90	497891.40	2121631.80
L5 15	44541.30	197.20	497889.00	2121631.70	L6 18	44174.20	232.10	497892.30	2121631.35

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L5 16	44511.50	87.50	497889.90	2121631.25	L6 19	44158.00	129.00	497893.20	2121630.90
L5 17	44394.30	62.30	497890.80	2121630.80	L6 20	44213.90	78.40	497894.10	2121630.45
L5 18	44330.30	86.50	497891.70	2121630.35	L6 21	44156.60	65.00	497895.00	2121630.00

Table A-5 The horizontal magnetic gradient from Area 2, sensor spacing 0.5 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	46563.20	200.00	497799.00	2121667.00	L1 17	44399.60	-51.60	497814.20	2121660.60
L1 2	46048.70	181.10	497799.95	2121666.60	L1 18	44406.50	5.20	497815.15	2121660.20
L1 3	45600.60	-187.70	497800.90	2121666.20	L1 19	44400.90	136.20	497816.10	2121659.80
L1 4	45309.30	-296.10	497801.85	2121665.80	L1 20	44354.00	-54.70	497817.05	2121659.40
L1 5	45120.70	-250.00	497802.80	2121665.40	L1 21	44361.20	-70.90	497818.00	2121659.00
L1 6	44991.80	-147.60	497803.75	2121665.00	L2 1	46473.10	289.80	497799.40	2121667.80
L1 7	44857.90	-55.70	497804.70	2121664.60	L2 2	46069.30	213.00	497800.35	2121667.40
L1 8	44782.50	-46.80	497805.65	2121664.20	L2 3	45702.40	83.40	497801.30	2121667.00
L1 9	44736.90	23.10	497806.60	2121663.80	L2 4	45439.50	29.40	497802.25	2121666.60
L1 10	44676.90	70.20	497807.55	2121663.40	L2 5	45255.80	-7.90	497803.20	2121666.20
L1 11	44632.40	34.40	497808.50	2121663.00	L2 6	45108.20	-25.30	497804.15	2121665.80
L1 12	44599.70	18.00	497809.45	2121662.60	L2 7	44968.70	-40.80	497805.10	2121665.40
L1 13	44618.80	-39.70	497810.40	2121662.20	L2 8	44864.50	-42.70	497806.05	2121665.00
L1 14	44604.10	111.60	497811.35	2121661.80	L2 9	44783.50	-31.60	497807.00	2121664.60
L1 15	44524.50	78.30	497812.30	2121661.40	L2 10	44720.70	-18.00	497807.95	2121664.20
L1 16	44442.20	-11.10	497813.25	2121661.00	L2 11	44662.80	-18.10	497808.90	2121663.80
L2 12	44627.50	-28.90	497809.85	2121663.40	L4 14	44658.90	-15.70	497812.55	2121664.20
L2 13	44608.80	12.60	497810.80	2121663.00	L4 15	44620.00	-11.90	497813.50	2121663.80
L2 14	44579.60	39.70	497811.75	2121662.60	L4 16	44578.20	-5.90	497814.45	2121663.40
L2 15	44538.20	17.20	497812.70	2121662.20	L4 17	44542.10	-22.60	497815.40	2121663.00
L2 16	44487.30	-11.50	497813.65	2121661.80	L4 18	44497.40	-2.10	497816.35	2121662.60
L2 17	44453.50	-35.20	497814.60	2121661.40	L4 19	44465.20	-0.90	497817.30	2121662.20
L2 18	44426.60	-12.10	497815.55	2121661.00	L4 20	44434.50	10.20	497818.25	2121661.80
L2 19	44412.70	-4.80	497816.50	2121660.60	L4 21	44403.60	14.60	497819.20	2121661.40
L2 20	44393.70	2.80	497817.45	2121660.20	L5 1	45928.10	168.60	497800.60	2121670.20
L2 21	44374.50	8.30	497818.40	2121659.80	L5 2	45708.40	122.20	497801.55	2121669.80
L3 1	46301.90	303.90	497799.80	2121668.60	L5 3	45507.60	87.90	497802.50	2121669.40
L3 2	45932.40	163.20	497800.75	2121668.20	L5 4	45333.00	65.60	497803.45	2121669.00
L3 3	45635.60	107.30	497801.70	2121667.80	L5 5	45226.20	33.90	497804.40	2121668.60
L3 4	45421.70	72.90	497802.65	2121667.40	L5 6	45126.50	5.40	497805.35	2121668.20
L3 5	45241.30	63.40	497803.60	2121667.00	L5 7	45043.50	32.00	497806.30	2121667.80
L3 6	45097.80	50.10	497804.55	2121666.60	L5 8	44922.80	78.90	497807.25	2121667.40
L3 7	44985.90	15.10	497805.50	2121666.20	L5 9	44868.70	-37.60	497808.20	2121667.00
L3 8	44900.20	-6.30	497806.45	2121665.80	L5 10	44832.00	-32.80	497809.15	2121666.60
L3 9	44835.10	-31.70	497807.40	2121665.40	L5 11	44833.40	-32.20	497810.10	2121666.20
L3 10	44760.70	-27.60	497808.35	2121665.00	L5 12	44777.40	-1.60	497811.05	2121665.80
L3 11	44687.30	-8.10	497809.30	2121664.60	L5 13	44733.50	-14.90	497812.00	2121665.40
L3 12	44682.10	-31.80	497810.25	2121664.20	L5 14	44689.50	-4.20	497812.95	2121665.00
L3 13	44637.40	-10.60	497811.20	2121663.80	L5 15	44646.90	-2.70	497813.90	2121664.60
L3 14	44593.10	-14.60	497812.15	2121663.40	L5 16	44597.80	5.50	497814.85	2121664.20
L3 15	44561.90	-9.20	497813.10	2121663.00	L5 17	44555.60	13.90	497815.80	2121663.80
L3 16	44509.60	10.30	497814.05	2121662.60	L5 18	44504.00	12.30	497816.75	2121663.40
L3 17	44482.70	-4.60	497815.00	2121662.20	L5 19	44468.20	18.10	497817.70	2121663.00
L3 18	44450.00	-2.50	497815.95	2121661.80	L5 20	44428.00	28.70	497818.65	2121662.60
L3 19	44433.30	-9.00	497816.90	2121661.40	L5 21	44396.30	29.70	497819.60	2121662.20
L3 20	44405.10	8.70	497817.85	2121661.00	L6 1	45752.80	162.10	497801.00	2121671.00
L3 21	44379.10	24.50	497818.80	2121660.60	L6 2	45586.80	193.50	497801.95	2121670.60
L4 1	46079.60	274.40	497800.20	2121669.40	L6 3	45431.00	252.00	497802.90	2121670.20
L4 2	45807.30	181.80	497801.15	2121669.00	L6 4	45329.60	-4.90	497803.85	2121669.80
L4 3	45564.40	131.30	497802.10	2121668.60	L6 5	45237.20	19.20	497804.80	2121669.40

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L4 4	45450.00	93.20	497803.05	2121668.20	L6 6	45151.20	3.80	497805.75	2121669.00
L4 5	45351.90	95.20	497804.00	2121667.80	L6 7	45069.10	-11.50	497806.70	2121668.60
L4 6	45218.90	30.90	497804.95	2121667.40	L6 8	44993.40	-60.60	497807.65	2121668.20
L4 7	45103.70	9.40	497805.90	2121667.00	L6 9	44936.90	-35.40	497808.60	2121667.80
L4 8	45021.80	-29.20	497806.85	2121666.60	L6 10	44875.00	-15.90	497809.55	2121667.40
L4 9	44927.30	-14.70	497807.80	2121666.20	L6 11	44827.80	-20.50	497810.50	2121667.00
L4 10	44826.00	53.10	497808.75	2121665.80	L6 12	44776.50	-15.00	497811.45	2121666.60
L4 11	44772.50	16.10	497809.70	2121665.40	L6 13	44725.90	-4.30	497812.40	2121666.20
L4 12	44750.80	-44.80	497810.65	2121665.00	L6 14	44674.60	7.90	497813.35	2121665.80
L4 13	44699.60	5.20	497811.60	2121664.60	L6 15	44625.80	-4.70	497814.30	2121665.40
L6 16	44575.10	-10.20	497815.25	2121665.00	L6 19	44444.80	14.60	497818.10	2121663.80
L6 17	44535.80	-11.50	497816.20	2121664.60	L6 20	44395.20	34.70	497819.05	2121663.40
L6 18	44489.90	5.00	497817.15	2121664.20	L6 21	44365.10	20.60	497820.00	2121663.00

Table A-6 The horizontal magnetic gradient from Area 2, sensor spacing 1.0 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	46489.10	100.00	497799.00	2121667.00	L2 17	44474.60	-40.60	497814.60	2121661.40
L1 2	46532.60	75.30	497799.95	2121666.60	L2 18	44443.70	-19.50	497815.55	2121661.00
L1 3	46074.00	18.10	497800.90	2121666.20	L2 19	44428.10	-10.90	497816.50	2121660.60
L1 4	45622.60	-296.20	497801.85	2121665.80	L2 20	44409.10	-12.90	497817.45	2121660.20
L1 5	45326.50	-353.50	497802.80	2121665.40	L2 21	44394.90	-10.80	497818.40	2121659.80
L1 6	45153.20	-276.10	497803.75	2121665.00	L3 1	46314.80	225.90	497799.80	2121668.60
L1 7	45015.80	-173.80	497804.70	2121664.60	L3 2	45952.90	165.00	497800.75	2121668.20
L1 8	44877.40	-84.20	497805.65	2121664.20	L3 3	45670.70	49.70	497801.70	2121667.80
L1 9	44798.50	-57.30	497806.60	2121663.80	L3 4	45441.90	28.30	497802.65	2121667.40
L1 10	44743.00	10.90	497807.55	2121663.40	L3 5	45261.10	19.60	497803.60	2121667.00
L1 11	44686.90	57.60	497808.50	2121663.00	L3 6	45121.40	12.30	497804.55	2121666.60
L1 12	44642.40	36.00	497809.45	2121662.60	L3 7	45005.40	-19.60	497805.50	2121666.20
L1 13	44613.40	4.40	497810.40	2121662.20	L3 8	44920.80	-37.50	497806.45	2121665.80
L1 14	44626.80	-190.70	497811.35	2121661.80	L3 9	44850.30	-46.50	497807.40	2121665.40
L1 15	44596.60	81.80	497812.30	2121661.40	L3 10	44789.90	-47.20	497808.35	2121665.00
L1 16	44529.20	57.50	497813.25	2121661.00	L3 11	44700.70	-20.40	497809.30	2121664.60
L1 17	44450.80	-12.30	497814.20	2121660.60	L3 12	44699.10	-52.10	497810.25	2121664.20
L1 18	44424.60	-73.80	497815.15	2121660.20	L3 13	44652.50	-24.80	497811.20	2121663.80
L1 19	44418.90	-32.90	497816.10	2121659.80	L3 14	44610.10	-12.10	497812.15	2121663.40
L1 20	44411.30	123.50	497817.05	2121659.40	L3 15	44576.60	-21.30	497813.10	2121663.00
L1 21	44381.20	-112.00	497818.00	2121659.00	L3 16	44525.20	-14.70	497814.05	2121662.60
L2 1	46418.80	227.60	497799.40	2121667.80	L3 17	44495.80	-23.60	497815.00	2121662.20
L2 2	46015.30	129.10	497800.35	2121667.40	L3 18	44466.30	-22.30	497815.95	2121661.80
L2 3	45674.40	32.60	497801.30	2121667.00	L3 19	44445.20	-21.70	497816.90	2121661.40
L2 4	45429.70	-45.40	497802.25	2121666.60	L3 20	44441.80	-17.60	497817.85	2121661.00
L2 5	45240.70	-29.30	497803.20	2121666.20	L3 21	44416.90	-6.60	497818.80	2121660.60
L2 6	45112.50	-62.00	497804.15	2121665.80	L4 1	46097.50	221.40	497800.20	2121669.40
L2 7	44978.10	-63.30	497805.10	2121665.40	L4 2	45819.40	137.60	497801.15	2121669.00
L2 8	44877.10	-50.20	497806.05	2121665.00	L4 3	45580.90	94.70	497802.10	2121668.60
L2 9	44801.90	-38.50	497807.00	2121664.60	L4 4	45383.60	75.10	497803.05	2121668.20
L2 10	44732.00	-23.30	497807.95	2121664.20	L4 5	45241.50	28.70	497804.00	2121667.80
L2 11	44676.90	-21.70	497808.90	2121663.80	L4 6	45129.30	0.70	497804.95	2121667.40
L2 12	44658.00	-39.20	497809.85	2121663.40	L4 7	45042.80	-36.20	497805.90	2121667.00
L2 13	44628.40	-3.60	497810.80	2121663.00	L4 8	44946.80	-29.20	497806.85	2121666.60
L2 14	44586.10	22.30	497811.75	2121662.60	L4 9	44845.50	3.10	497807.80	2121666.20
L2 15	44553.80	-0.80	497812.70	2121662.20	L4 10	44787.10	-10.70	497808.75	2121665.80
L2 16	44510.10	-34.30	497813.65	2121661.80	L4 11	44765.30	-62.60	497809.70	2121665.40
L4 12	44711.80	-15.60	497810.65	2121665.00	L5 17	44513.80	-4.10	497815.80	2121663.80
L4 13	44674.10	-24.00	497811.60	2121664.60	L5 18	44480.20	-6.20	497816.75	2121663.40
L4 14	44635.60	-30.80	497812.55	2121664.20	L5 19	44442.70	1.20	497817.70	2121663.00

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L4 15	44598.10	-22.40	497813.50	2121663.80	L5 20	44408.60	5.00	497818.65	2121662.60
L4 16	44555.10	-27.00	497814.45	2121663.40	L5 21	44370.80	10.20	497819.60	2121662.20
L4 17	44508.20	-12.60	497815.40	2121663.00	L6 1	45720.60	141.90	497801.00	2121671.00
L4 18	44477.10	-14.10	497816.35	2121662.60	L6 2	45573.10	146.80	497801.95	2121670.60
L4 19	44445.90	-4.50	497817.30	2121662.20	L6 3	45573.00	145.50	497802.90	2121670.20
L4 20	44413.30	4.20	497818.25	2121661.80	L6 4	45384.20	158.00	497803.85	2121669.80
L4 21	44382.60	11.70	497819.20	2121661.40	L6 5	45335.20	11.90	497804.80	2121669.40
L5 1	45864.50	194.90	497800.60	2121670.20	L6 6	45237.90	5.40	497805.75	2121669.00
L5 2	45698.00	100.10	497801.55	2121669.80	L6 7	45153.90	-2.40	497806.70	2121668.60
L5 3	45495.80	69.20	497802.50	2121669.40	L6 8	45074.70	-9.20	497807.65	2121668.20
L5 4	45325.60	50.40	497803.45	2121669.00	L6 9	45000.80	-62.80	497808.60	2121667.80
L5 5	45231.40	15.70	497804.40	2121668.60	L6 10	44952.10	-58.90	497809.55	2121667.40
L5 6	45137.40	-10.70	497805.35	2121668.20	L6 11	44890.70	-32.60	497810.50	2121667.00
L5 7	45049.90	-2.00	497806.30	2121667.80	L6 12	44841.00	-33.30	497811.45	2121666.60
L5 8	44921.50	39.30	497807.25	2121667.40	L6 13	44791.50	-32.50	497812.40	2121666.20
L5 9	44888.30	-45.90	497808.20	2121667.00	L6 14	44738.30	-22.00	497813.35	2121665.80
L5 10	44844.70	-60.00	497809.15	2121666.60	L6 15	44684.30	-17.70	497814.30	2121665.40
L5 11	44796.30	-30.10	497810.10	2121666.20	L6 16	44634.40	-19.90	497815.25	2121665.00
L5 12	44746.20	-34.30	497811.05	2121665.80	L6 17	44583.30	-13.40	497816.20	2121664.60
L5 13	44704.60	-34.90	497812.00	2121665.40	L6 18	44544.60	-26.00	497817.15	2121664.20
L5 14	44658.90	-28.20	497812.95	2121665.00	L6 19	44494.60	-7.90	497818.10	2121663.80
L5 15	44606.40	-12.40	497813.90	2121664.60	L6 20	44453.20	-6.60	497819.05	2121663.40
L5 16	44558.60	-4.00	497814.85	2121664.20	L6 21	44408.70	3.90	497820.00	2121663.00

Table A-7 The vertical magnetic gradient from Area 2, sensor spacing 0.5 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	46655.30	-273.20	497799.00	2121667.00	L1 15	44509.80	-7.40	497812.30	2121661.40
L1 2	46018.00	-186.30	497799.95	2121666.60	L1 16	44408.50	17.60	497813.25	2121661.00
L1 3	45609.90	-259.10	497800.90	2121666.20	L1 17	44381.30	-46.50	497814.20	2121660.60
L1 4	45293.70	-269.90	497801.85	2121665.80	L1 18	44376.00	-198.20	497815.15	2121660.20
L1 5	45150.10	-259.90	497802.80	2121665.40	L1 19	44368.00	-203.60	497816.10	2121659.80
L1 6	45007.00	-186.50	497803.75	2121665.00	L1 20	44355.70	-178.80	497817.05	2121659.40
L1 7	44850.70	-70.70	497804.70	2121664.60	L1 21	44361.00	-160.00	497818.00	2121659.00
L1 8	44778.40	-62.10	497805.65	2121664.20	L2 1	46449.00	-158.30	497799.40	2121667.80
L1 9	44739.30	-51.90	497806.60	2121663.80	L2 2	46052.90	-136.30	497800.35	2121667.40
L1 10	44671.70	-15.00	497807.55	2121663.40	L2 3	45694.50	-165.40	497801.30	2121667.00
L1 11	44621.30	-5.30	497808.50	2121663.00	L2 4	45403.90	-117.30	497802.25	2121666.60
L1 12	44590.90	-10.30	497809.45	2121662.60	L2 5	45234.20	-155.80	497803.20	2121666.20
L1 13	44560.00	-196.20	497810.40	2121662.20	L2 6	45069.90	-112.90	497804.15	2121665.80
L1 14	44543.00	-140.50	497811.35	2121661.80	L2 7	44905.50	-42.90	497805.10	2121665.40
L2 8	44817.50	-35.70	497806.05	2121665.00	L4 10	44768.00	0.00	497808.75	2121665.80
L2 9	44737.30	5.40	497807.00	2121664.60	L4 11	44701.00	0.80	497809.70	2121665.40
L2 10	44665.20	35.40	497807.95	2121664.20	L4 12	44683.40	0.50	497810.65	2121665.00
L2 11	44623.10	18.80	497808.90	2121663.80	L4 13	44631.10	18.50	497811.60	2121664.60
L2 12	44584.60	31.00	497809.85	2121663.40	L4 14	44595.70	9.40	497812.55	2121664.20
L2 13	44610.90	-36.00	497810.80	2121663.00	L4 15	44560.40	-0.30	497813.50	2121663.80
L2 14	44584.20	-31.50	497811.75	2121662.60	L4 16	44503.50	1.20	497814.45	2121663.40
L2 15	44521.40	-8.60	497812.70	2121662.20	L4 17	44475.20	1.20	497815.40	2121663.00
L2 16	44445.40	20.50	497813.65	2121661.80	L4 18	44446.60	1.50	497816.35	2121662.60
L2 17	44414.40	0.50	497814.60	2121661.40	L4 19	44426.90	-8.70	497817.30	2121662.20
L2 18	44409.60	-38.50	497815.55	2121661.00	L4 20	44398.70	-9.90	497818.25	2121661.80
L2 19	44404.50	-56.30	497816.50	2121660.60	L4 21	44374.30	-13.30	497819.20	2121661.40
L2 20	44391.70	-85.20	497817.45	2121660.20	L5 1	45905.50	-8.50	497800.60	2121670.20
L2 21	44384.00	-96.40	497818.40	2121659.80	L5 2	45706.20	-13.60	497801.55	2121669.80
L3 1	46265.80	-57.90	497799.80	2121668.60	L5 3	45512.00	-27.10	497802.50	2121669.40
L3 2	45912.30	-25.00	497800.75	2121668.20	L5 4	45325.40	5.20	497803.45	2121669.00

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L3 3	45615.00	-46.50	497801.70	2121667.80	L5 5	45215.30	-19.40	497804.40	2121668.60
L3 4	45418.70	-91.00	497802.65	2121667.40	L5 6	45097.00	3.60	497805.35	2121668.20
L3 5	45249.70	-68.60	497803.60	2121667.00	L5 7	45045.70	-46.20	497806.30	2121667.80
L3 6	45101.00	-91.40	497804.55	2121666.60	L5 8	44922.90	-4.10	497807.25	2121667.40
L3 7	44965.20	-41.30	497805.50	2121666.20	L5 9	44833.30	-6.00	497808.20	2121667.00
L3 8	44868.70	-28.20	497806.45	2121665.80	L5 10	44814.30	-16.70	497809.15	2121666.60
L3 9	44798.30	-26.10	497807.40	2121665.40	L5 11	44760.50	-0.70	497810.10	2121666.20
L3 10	44701.10	32.60	497808.35	2121665.00	L5 12	44714.20	3.40	497811.05	2121665.80
L3 11	44655.40	30.00	497809.30	2121664.60	L5 13	44676.90	-11.20	497812.00	2121665.40
L3 12	44644.40	-2.10	497810.25	2121664.20	L5 14	44632.40	-3.10	497812.95	2121665.00
L3 13	44613.40	-8.30	497811.20	2121663.80	L5 15	44582.10	4.50	497813.90	2121664.60
L3 14	44546.20	-3.00	497812.15	2121663.40	L5 16	44545.40	-10.20	497814.85	2121664.20
L3 15	44533.40	-0.20	497813.10	2121663.00	L5 17	44486.10	13.00	497815.80	2121663.80
L3 16	44491.60	-7.10	497814.05	2121662.60	L5 18	44455.60	9.00	497816.75	2121663.40
L3 17	44458.10	-13.50	497815.00	2121662.20	L5 19	44419.90	14.00	497817.70	2121663.00
L3 18	44422.50	-2.90	497815.95	2121661.80	L5 20	44391.90	5.70	497818.65	2121662.60
L3 19	44413.50	-27.90	497816.90	2121661.40	L5 21	44363.00	-8.30	497819.60	2121662.20
L3 20	44391.70	-23.40	497817.85	2121661.00	L6 1	45775.00	7.70	497801.00	2121671.00
L3 21	44376.70	-27.30	497818.80	2121660.60	L6 2	45588.80	11.40	497801.95	2121670.60
L4 1	46116.50	16.10	497800.20	2121669.40	L6 3	45422.30	1.60	497802.90	2121670.20
L4 2	45812.00	25.00	497801.15	2121669.00	L6 4	45306.40	-14.50	497803.85	2121669.80
L4 3	45571.90	19.10	497802.10	2121668.60	L6 5	45220.90	-8.00	497804.80	2121669.40
L4 4	45337.70	10.00	497803.05	2121668.20	L6 6	45128.40	-17.50	497805.75	2121669.00
L4 5	45215.40	-0.10	497804.00	2121667.80	L6 7	45041.90	-6.90	497806.70	2121668.60
L4 6	45100.80	-0.40	497804.95	2121667.40	L6 8	44957.00	5.10	497807.65	2121668.20
L4 7	45004.20	-16.00	497805.90	2121667.00	L6 9	44915.70	8.00	497808.60	2121667.80
L4 8	44919.20	-19.50	497806.85	2121666.60	L6 10	44851.80	10.50	497809.55	2121667.40
L4 9	44856.70	-16.00	497807.80	2121666.20	L6 11	44800.30	9.70	497810.50	2121667.00
L6 12	44748.20	11.20	497811.45	2121666.60	L6 17	44533.00	5.60	497816.20	2121664.60
L6 13	44705.30	3.10	497812.40	2121666.20	L6 18	44510.50	4.90	497817.15	2121664.20
L6 14	44658.10	-2.40	497813.35	2121665.80	L6 19	44466.90	10.90	497818.10	2121663.80
L6 15	44599.80	7.20	497814.30	2121665.40	L6 20	44427.50	13.00	497819.05	2121663.40
L6 16	44599.00	6.00	497815.25	2121665.00	L6 21	44383.80	4.60	497820.00	2121663.00

Table A-8 The vertical magnetic gradient from Area 2, sensor spacing 1.0 m

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 1	46769.50	-230.00	497799.00	2121667.00	L2 15	44492.50	-24.20	497812.70	2121662.20
L1 2	46132.50	-221.70	497799.95	2121666.60	L2 16	44388.40	-19.80	497813.65	2121661.80
L1 3	45743.00	-277.40	497800.90	2121666.20	L2 17	44419.50	-16.30	497814.60	2121661.40
L1 4	45427.20	-262.40	497801.85	2121665.80	L2 18	44421.50	-47.70	497815.55	2121661.00
L1 5	45238.30	-266.40	497802.80	2121665.40	L2 19	44450.40	-68.60	497816.50	2121660.60
L1 6	45070.00	-201.10	497803.75	2121665.00	L2 20	44480.60	-90.90	497817.45	2121660.20
L1 7	44887.30	-92.60	497804.70	2121664.60	L2 21	44517.80	-114.40	497818.40	2121659.80
L1 8	44776.00	-40.70	497805.65	2121664.20	L3 1	46234.40	-84.40	497799.80	2121668.60
L1 9	44744.90	-59.40	497806.60	2121663.80	L3 2	45773.20	-80.00	497800.75	2121668.20
L1 10	44689.00	-36.00	497807.55	2121663.40	L3 3	45598.80	-91.60	497801.70	2121667.80
L1 11	44618.50	-9.60	497808.50	2121663.00	L3 4	45445.90	-135.50	497802.65	2121667.40
L1 12	44581.80	-8.30	497809.45	2121662.60	L3 5	45245.40	-102.90	497803.60	2121667.00
L1 13	44684.50	-154.80	497810.40	2121662.20	L3 6	45046.00	-25.00	497804.55	2121666.60
L1 14	44681.60	-156.70	497811.35	2121661.80	L3 7	44928.60	-31.20	497805.50	2121666.20
L1 15	44481.90	-20.50	497812.30	2121661.40	L3 8	44870.90	-35.60	497806.45	2121665.80
L1 16	44383.50	-7.60	497813.25	2121661.00	L3 9	44827.50	-55.10	497807.40	2121665.40
L1 17	44360.70	-24.40	497814.20	2121660.60	L3 10	44696.50	17.00	497808.35	2121665.00
L1 18	44414.60	-93.90	497815.15	2121660.20	L3 11	44608.00	10.00	497809.30	2121664.60
L1 19	44396.20	-92.40	497816.10	2121659.80	L3 12	44639.40	-1.80	497810.25	2121664.20
L1 20	44481.50	-181.60	497817.05	2121659.40	L3 13	44613.30	-21.00	497811.20	2121663.80

Line/STN	TMI	Gradient	X	Y	Line/STN	TMI	Gradient	X	Y
L1 21	44648.10	-153.60	497818.00	2121659.00	L3 14	44565.50	-15.40	497812.15	2121663.40
L2 1	46466.00	-142.00	497799.40	2121667.80	L3 15	44536.10	-29.40	497813.10	2121663.00
L2 2	46015.60	-170.30	497800.35	2121667.40	L3 16	44461.60	17.20	497814.05	2121662.60
L2 3	45680.80	-159.10	497801.30	2121667.00	L3 17	44443.50	-8.50	497815.00	2121662.20
L2 4	45422.00	-133.80	497802.25	2121666.60	L3 18	44436.20	-18.30	497815.95	2121661.80
L2 5	45248.10	-143.90	497803.20	2121666.20	L3 19	44452.10	-36.40	497816.90	2121661.40
L2 6	45101.90	-106.30	497804.15	2121665.80	L3 20	44459.10	-49.20	497817.85	2121661.00
L2 7	44929.40	-61.30	497805.10	2121665.40	L3 21	44489.20	-82.40	497818.80	2121660.60
L2 8	44808.20	-15.00	497806.05	2121665.00	L4 1	46000.80	36.30	497800.20	2121669.40
L2 9	44760.90	-33.70	497807.00	2121664.60	L4 2	45657.40	26.10	497801.15	2121669.00
L2 10	44683.30	-1.10	497807.95	2121664.20	L4 3	45474.70	11.50	497802.10	2121668.60
L2 11	44596.30	41.50	497808.90	2121663.80	L4 4	45223.70	-12.30	497803.05	2121668.20
L2 12	44608.10	-4.80	497809.85	2121663.40	L4 5	45193.70	-26.10	497804.00	2121667.80
L2 13	44579.00	-13.50	497810.80	2121663.00	L4 6	45081.60	-34.90	497804.95	2121667.40
L2 14	44537.70	-6.00	497811.75	2121662.60	L4 7	45025.60	-64.50	497805.90	2121667.00
L4 8	44903.90	-24.20	497806.85	2121666.60	L5 15	44637.90	-13.60	497813.90	2121664.60
L4 9	44718.00	-5.00	497807.80	2121666.20	L5 16	44580.40	-6.60	497814.85	2121664.20
L4 10	44739.10	11.60	497808.75	2121665.80	L5 17	44554.50	-15.60	497815.80	2121663.80
L4 11	44745.50	-43.50	497809.70	2121665.40	L5 18	44477.80	11.30	497816.75	2121663.40
L4 12	44661.40	11.70	497810.65	2121665.00	L5 19	44457.60	10.70	497817.70	2121663.00
L4 13	44628.00	-8.20	497811.60	2121664.60	L5 20	44433.70	12.20	497818.65	2121662.60
L4 14	44586.70	-14.40	497812.55	2121664.20	L5 21	44429.80	-21.50	497819.60	2121662.20
L4 15	44558.60	-16.90	497813.50	2121663.80	L6 1	45754.70	3.80	497801.00	2121671.00
L4 16	44518.00	-23.70	497814.45	2121663.40	L6 2	45588.00	-22.40	497801.95	2121670.60
L4 17	44478.50	-1.90	497815.40	2121663.00	L6 3	45580.60	-13.60	497802.90	2121670.20
L4 18	44461.20	-17.80	497816.35	2121662.60	L6 4	45294.80	-6.80	497803.85	2121669.80
L4 19	44442.80	-34.70	497817.30	2121662.20	L6 5	45203.80	-13.30	497804.80	2121669.40
L4 20	44435.20	-16.00	497818.25	2121661.80	L6 6	45115.80	-11.20	497805.75	2121669.00
L4 21	44407.30	-6.80	497819.20	2121661.40	L6 7	45024.10	-7.00	497806.70	2121668.60
L5 1	45887.00	1.00	497800.60	2121670.20	L6 8	44986.20	-10.00	497807.65	2121668.20
L5 2	45680.20	0.80	497801.55	2121669.80	L6 9	44906.60	-9.10	497808.60	2121667.80
L5 3	45526.20	-11.70	497802.50	2121669.40	L6 10	44831.10	-8.10	497809.55	2121667.40
L5 4	45322.20	-20.00	497803.45	2121669.00	L6 11	44794.10	-3.10	497810.50	2121667.00
L5 5	45224.80	-26.90	497804.40	2121668.60	L6 12	44743.30	14.00	497811.45	2121666.60
L5 6	45042.80	-15.00	497805.35	2121668.20	L6 13	44693.40	-9.50	497812.40	2121666.20
L5 7	45019.40	-9.90	497806.30	2121667.80	L6 14	44653.70	-0.50	497813.35	2121665.80
L5 8	44888.40	42.10	497807.25	2121667.40	L6 15	44593.50	14.80	497814.30	2121665.40
L5 9	44821.30	38.30	497808.20	2121667.00	L6 16	44554.00	-10.80	497815.25	2121665.00
L5 10	44818.60	-12.90	497809.15	2121666.60	L6 17	44512.00	0.70	497816.20	2121664.60
L5 11	44757.70	-5.70	497810.10	2121666.20	L6 18	44464.80	9.80	497817.15	2121664.20
L5 12	44715.60	-2.10	497811.05	2121665.80	L6 19	44434.90	-6.80	497818.10	2121663.80
L5 13	44689.60	-32.20	497812.00	2121665.40	L6 20	44392.00	16.50	497819.05	2121663.40
L5 14	44637.30	-22.70	497812.95	2121665.00	L6 21	44379.30	3.30	497820.00	2121663.00

APPENDIX B

Example of a 3D dipole-dipole array data

The 11×6 electrodes used in the array were fixed with known local coordinate positions. Each measurement, only 4 electrodes were active. The data set measured from area 1 are presented in Table B-1 and that from area 2 in Table B-2.

Table B-1 3D Dipole - Dipole array data set

DP - DP.DAT file	*Comments*
3D-Area1	Title
11	Number of electrodes in x-direction
6	Number of electrodes in y-direction
1.0	x unit electrode spacing
1.0	y unit electrode spacing
3	Array type, 3 for dipole-dipole
1110	Number of data points
1.0 0.0 0.0 0.0 2.0 0.0 3.0 0.0 72.6249 1.0 0.0 0.0 0.0 3.0 0.0 4.0 0.0 60.8845 1.0 0.0 0.0 0.0 4.0 0. 0 5.0 0.0 38.6857 C1X C1Y C2X C2Y P1X P1Y P2X P2Y Res	C1X & C1Y are the x and y local coordinates for electrode C1 C2X & C2Y are the x and y local coordinates for electrode C2 P1X & P1Y are the x and y local coordinates for electrode P1 P2X & P2Y are the x and y local coordinates for electrode P2 Res is apparent resistivity value

Basic operating Res3Dinv software

(a) Input data :

- Introduce the data file (.dat) : “file / read data file”, OK
- Run the inversion: “inversion / least square inversion”
- Display the results: “display / display results / display inversion model
- Select the type of display: “*sections*” (horizontal sections, at various depths) or “*slices*” (vertical slices, along various lines)

(b) Change the colour scale

- Click on “display / show inversion results”, then on «display sections / display data and model sections”
- Modify the scale of the colours (the resistivity limits for the 16 colours, or the colours themselves)
- Store the new colour scale with the “file / store colour scale” function

Table B-2 The example of observed 3D Resistivity data from Area 1

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
1	0	0	0	2	0	3	0	49.013	5	4	5	5	5	3	5	2	144.675
1	0	0	0	3	0	4	0	76.937	5	4	5	5	5	2	5	1	169.09
1	0	0	0	4	0	5	0	105.797	5	4	5	5	5	1	5	0	175.23
1	0	0	0	5	0	6	0	148.243	5	3	5	4	5	2	5	1	125.612
1	0	0	0	6	0	7	0	168.478	5	3	5	4	5	1	5	0	169.17
1	0	0	0	7	0	8	0	170.657	5	2	5	3	5	1	5	0	144.668
2	0	0	0	4	0	6	0	109.472	6	4	6	5	6	3	6	2	104.81
2	0	0	0	6	0	8	0	167.553	6	4	6	5	6	2	6	1	123.228
2	0	0	0	8	0	10	0	129.38	6	4	6	5	6	1	6	0	91.835
1	1	0	0	2	2	3	3	65.522	7	4	6	5	8	3	9	2	87.716
1	1	0	0	3	3	4	4	102.009	7	4	6	5	9	2	10	1	101.952
1	1	0	0	4	4	5	5	129.09	7	5	6	5	8	5	9	5	102.392
0	1	0	0	0	2	0	3	50.231	7	5	6	5	9	5	10	5	134.968
0	1	0	0	0	3	0	4	71.967	6	3	6	4	6	2	6	1	96.65
0	1	0	0	0	4	0	5	78.592	6	3	6	4	6	1	6	0	75.238
2	0	1	0	3	0	4	0	64.899	7	3	6	4	8	2	9	1	76.555
2	0	1	0	4	0	5	0	92.784	7	3	6	4	9	1	10	0	118.817
2	0	1	0	5	0	6	0	135.494	7	4	6	4	8	4	9	4	107.425
2	0	1	0	6	0	7	0	163.653	7	4	6	4	9	4	10	4	120.937
2	0	1	0	7	0	8	0	171.555	6	2	6	3	6	1	6	0	67.337
2	0	1	0	8	0	9	0	149.085	7	2	6	3	8	1	9	0	71.036
3	0	1	0	5	0	7	0	119.345	7	3	6	3	8	3	9	3	76.297
3	0	1	0	7	0	9	0	146.358	7	3	6	3	9	3	10	3	95.538
2	1	1	0	3	2	4	3	72.935	7	2	6	2	8	2	9	2	64.116
2	1	1	0	4	3	5	4	99.395	7	2	6	2	9	2	10	2	68.22
2	1	1	0	5	4	6	5	138.733	7	3	6	2	8	4	9	5	108.941
1	1	1	0	1	2	1	3	46.1	7	1	6	1	8	1	9	1	45.93
1	1	1	0	1	3	1	4	72.806	7	1	6	1	9	1	10	1	67.133
1	1	1	0	1	4	1	5	67.336	7	2	6	1	8	3	9	4	87.98
3	0	2	0	4	0	5	0	66.2	7	2	6	1	9	4	10	5	146.146
3	0	2	0	5	0	6	0	100	7	0	6	0	8	0	9	0	40.361
3	0	2	0	6	0	7	0	129.574	7	0	6	0	9	0	10	0	51.011
3	0	2	0	7	0	8	0	142.249	7	1	6	0	8	2	9	3	61.034
3	0	2	0	8	0	9	0	126.767	7	1	6	0	9	3	10	4	134.889
3	0	2	0	9	0	10	0	88.111	7	4	7	5	7	3	7	2	105.263
4	0	2	0	6	0	8	0	128.065	7	4	7	5	7	2	7	1	104.712
4	0	2	0	8	0	10	0	117.136	7	4	7	5	7	1	7	0	100.793
3	1	2	0	4	2	5	3	88.751	8	4	7	5	9	3	10	2	104.217
3	1	2	0	5	3	6	4	133.448	8	5	7	5	9	5	10	5	93.94
3	1	2	0	6	4	7	5	139.831	7	3	7	4	7	2	7	1	81.623
2	1	2	0	2	2	2	3	57.616	7	3	7	4	7	1	7	0	84.61
2	1	2	0	2	3	2	4	78.25	8	3	7	4	9	2	10	1	78.714
2	1	2	0	2	4	2	5	65.52	8	4	7	4	9	4	10	4	121.369

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
4	0	3	0	5	0	6	0	81.13	7	2	7	3	7	1	7	0	58.13
4	0	3	0	6	0	7	0	118.794	8	2	7	3	9	1	10	0	59.08
4	0	3	0	7	0	8	0	142.731	8	3	7	3	9	3	10	3	67.977
4	0	3	0	8	0	9	0	134.816	8	2	7	2	9	2	10	2	39.291
4	0	3	0	9	0	10	0	95.096	8	3	7	2	9	4	10	5	105.021
5	0	3	0	7	0	9	0	126.426	8	1	7	1	9	1	10	1	41.814
4	1	3	0	5	2	6	3	125.417	8	2	7	1	9	3	10	4	81.235
4	1	3	0	6	3	7	4	146.95	8	0	7	0	9	0	10	0	42.356
4	1	3	0	7	4	8	5	143.396	8	1	7	0	9	2	10	3	65.082
3	1	3	0	3	2	3	3	64.822	8	4	8	5	8	3	8	2	101.371
3	1	3	0	3	3	3	4	102.112	8	4	8	5	8	2	8	1	100.536
3	1	3	0	3	4	3	5	87.678	8	4	8	5	8	1	8	0	151.182
2	1	3	0	1	2	0	3	63.938	8	3	8	4	8	2	8	1	55.979
5	0	4	0	6	0	7	0	94.101	8	3	8	4	8	1	8	0	89.905
5	0	4	0	7	0	8	0	119.74	8	2	8	3	8	1	8	0	56.035
5	0	4	0	8	0	9	0	122.977	9	4	9	5	9	3	9	2	100.117
5	0	4	0	9	0	10	0	88.217	9	4	9	5	9	2	9	1	111.823
6	0	4	0	8	0	10	0	113.385	9	4	9	5	9	1	9	0	146.736
5	1	4	0	6	2	7	3	109.847	9	3	9	4	9	2	9	1	64.046
5	1	4	0	7	3	8	4	91.103	9	3	9	4	9	1	9	0	97.972
5	1	4	0	8	4	9	5	132.626	9	2	9	3	9	1	9	0	50.906
4	1	4	0	4	2	4	3	88.215	0	4	10	5	10	3	10	2	120.095
4	1	4	0	4	3	4	4	108.816	0	4	10	5	10	2	10	1	124.884
4	1	4	0	4	4	4	5	111.402	0	4	10	5	10	1	10	0	129.912
3	1	4	0	2	2	1	3	82.009	0	3	10	4	10	2	10	1	105.214
3	1	4	0	1	3	0	4	110.381	0	3	10	4	10	1	10	0	116.265
6	0	5	0	7	0	8	0	104.926	0	2	10	3	10	1	10	0	71.995
6	0	5	0	8	0	9	0	123.256	1	0	0	0	2	0	3	0	62.869
6	0	5	0	9	0	10	0	91.779	1	0	0	0	3	0	4	0	47.126
6	1	5	0	7	2	8	3	87.716	1	0	0	0	4	0	5	0	47.507
6	1	5	0	8	3	9	4	101.967	1	0	0	0	5	0	6	0	55.685
6	1	5	0	9	4	10	5	142.12	1	0	0	0	6	0	7	0	81.611
5	1	5	0	5	2	5	3	102.505	1	0	0	0	7	0	8	0	89.683
5	1	5	0	5	3	5	4	135.032	2	0	0	0	4	0	6	0	39.857
5	1	5	0	5	4	5	5	140.883	2	0	0	0	6	0	8	0	70.965
4	1	5	0	3	2	2	3	84.464	2	0	0	0	8	0	10	0	97.674
4	1	5	0	2	3	1	4	109.913	1	1	0	0	2	2	3	3	35.874
4	1	5	0	1	4	0	5	150.619	1	1	0	0	3	3	4	4	52.405
7	0	6	0	8	0	9	0	96.609	1	1	0	0	4	4	5	5	75.247
7	0	6	0	9	0	10	0	75.164	0	1	0	0	0	2	0	3	31.518
7	1	6	0	8	2	9	3	76.578	0	1	0	0	0	3	0	4	38.671
7	1	6	0	9	3	10	4	118.892	0	1	0	0	0	4	0	5	45.8
6	1	6	0	6	2	6	3	107.607	2	0	1	0	3	0	4	0	33.895
6	1	6	0	6	3	6	4	121.005	2	0	1	0	4	0	5	0	33.68
6	1	6	0	6	4	6	5	120.556	2	0	1	0	5	0	6	0	39.711
5	1	6	0	4	2	3	3	117.456	2	0	1	0	6	0	7	0	60.138
5	1	6	0	3	3	2	4	138.419	2	0	1	0	7	0	8	0	67.652
5	1	6	0	2	4	1	5	134.221	2	0	1	0	8	0	9	0	77.004
8	0	7	0	9	0	10	0	67.294	3	0	1	0	5	0	7	0	49.164
8	1	7	0	9	2	10	3	70.964	3	0	1	0	7	0	9	0	79.534
7	1	7	0	7	2	7	3	76.325	2	1	1	0	3	2	4	3	36.031
7	1	7	0	7	3	7	4	95.546	2	1	1	0	4	3	5	4	57.922
7	1	7	0	7	4	7	5	164.366	2	1	1	0	5	4	6	5	68.242
6	1	7	0	5	2	4	3	123.42	1	1	1	0	1	2	1	3	33.826
6	1	7	0	4	3	3	4	155.88	1	1	1	0	1	3	1	4	36.503
6	1	7	0	3	4	2	5	127.175	1	1	1	0	1	4	1	5	41.565
8	1	8	0	8	2	8	3	64.095	3	0	2	0	4	0	5	0	37.929
8	1	8	0	8	3	8	4	68.189	3	0	2	0	5	0	6	0	43.222

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
8	1	8	0	8	4	8	5	168.592	3	0	2	0	6	0	7	0	68.05
7	1	8	0	6	2	5	3	109.074	3	0	2	0	7	0	8	0	79.389
7	1	8	0	5	3	4	4	119.192	3	0	2	0	8	0	9	0	93.449
7	1	8	0	4	4	3	5	135.736	3	0	2	0	9	0	10	0	126.53
9	1	9	0	9	2	9	3	45.922	4	0	2	0	6	0	8	0	68.283
9	1	9	0	9	3	9	4	67.156	4	0	2	0	8	0	10	0	107.809
9	1	9	0	9	4	9	5	99.436	3	1	2	0	4	2	5	3	36.042
8	1	9	0	7	2	6	3	88.019	3	1	2	0	5	3	6	4	60.485
8	1	9	0	6	3	5	4	146.15	3	1	2	0	6	4	7	5	54.939
8	1	9	0	5	4	4	5	138.155	2	1	2	0	2	2	2	3	27.852
0	1	10	0	10	2	10	3	40.361	2	1	2	0	2	3	2	4	37.503
0	1	10	0	10	3	10	4	51.019	2	1	2	0	2	4	2	5	44.198
0	1	10	0	10	4	10	5	61.187	4	0	3	0	5	0	6	0	38.178
9	1	10	0	8	2	7	3	61.066	4	0	3	0	6	0	7	0	62.546
9	1	10	0	7	3	6	4	134.847	4	0	3	0	7	0	8	0	77.423
9	1	10	0	6	4	5	5	153.107	4	0	3	0	8	0	9	0	96.481
1	1	0	1	2	1	3	1	61.493	4	0	3	0	9	0	10	0	130.687
1	1	0	1	3	1	4	1	86.525	5	0	3	0	7	0	9	0	74.339
1	1	0	1	4	1	5	1	102.325	4	1	3	0	5	2	6	3	50.111
1	1	0	1	5	1	6	1	148.668	4	1	3	0	6	3	7	4	56.41
1	1	0	1	6	1	7	1	197.591	4	1	3	0	7	4	8	5	56.676
1	1	0	1	7	1	8	1	151.438	3	1	3	0	3	2	3	3	28.601
2	1	0	1	4	1	6	1	97.627	3	1	3	0	3	3	3	4	38.093
2	1	0	1	6	1	8	1	161.305	3	1	3	0	3	4	3	5	44.341
2	1	0	1	8	1	10	1	110.638	2	1	3	0	1	2	0	3	35.872
1	2	0	1	2	3	3	4	65.567	5	0	4	0	6	0	7	0	49.704
1	2	0	1	3	4	4	5	89.773	5	0	4	0	7	0	8	0	63.635
0	2	0	1	0	3	0	4	61.978	5	0	4	0	8	0	9	0	87.165
0	2	0	1	0	4	0	5	72.095	5	0	4	0	9	0	10	0	124.923
2	1	1	1	3	1	4	1	61.076	6	0	4	0	8	0	10	0	79.844
2	1	1	1	4	1	5	1	77.731	5	1	4	0	6	2	7	3	54.861
2	1	1	1	5	1	6	1	116.788	5	1	4	0	7	3	8	4	60.157
2	1	1	1	6	1	7	1	163.553	5	1	4	0	8	4	9	5	68.307
2	1	1	1	7	1	8	1	127.998	4	1	4	0	4	2	4	3	32.13
2	1	1	1	8	1	9	1	105.901	4	1	4	0	4	3	4	4	47.158
3	1	1	1	5	1	7	1	127.764	4	1	4	0	4	4	4	5	44.936
3	1	1	1	7	1	9	1	120.661	3	1	4	0	2	2	1	3	35.632
2	2	1	1	3	3	4	4	80.529	3	1	4	0	1	3	0	4	49.714
2	2	1	1	4	4	5	5	106.288	6	0	5	0	7	0	8	0	40.76
1	2	1	1	1	3	1	4	71.158	6	0	5	0	8	0	9	0	61.969
1	2	1	1	1	4	1	5	69.964	6	0	5	0	9	0	10	0	94.636
3	1	2	1	4	1	5	1	73.893	6	1	5	0	7	2	8	3	47.384
3	1	2	1	5	1	6	1	110.994	6	1	5	0	8	3	9	4	63.706
3	1	2	1	6	1	7	1	162.596	6	1	5	0	9	4	10	5	75.041
3	1	2	1	7	1	8	1	129.576	5	1	5	0	5	2	5	3	42.632
3	1	2	1	8	1	9	1	107.67	5	1	5	0	5	3	5	4	47.595
3	1	2	1	9	1	10	1	100.843	5	1	5	0	5	4	5	5	48.894
4	1	2	1	6	1	8	1	156.798	4	1	5	0	3	2	2	3	34.005
4	1	2	1	8	1	10	1	112.97	4	1	5	0	2	3	1	4	48.345
3	2	2	1	4	3	5	4	84.917	4	1	5	0	1	4	0	5	64.27
3	2	2	1	5	4	6	5	129.098	7	0	6	0	8	0	9	0	62.503
2	2	2	1	2	3	2	4	61.98	7	0	6	0	9	0	10	0	91.491
2	2	2	1	2	4	2	5	53.865	7	1	6	0	8	2	9	3	57.375
4	1	3	1	5	1	6	1	100.042	7	1	6	0	9	3	10	4	66.85
4	1	3	1	6	1	7	1	166.314	6	1	6	0	6	2	6	3	45.953
4	1	3	1	7	1	8	1	141.06	6	1	6	0	6	3	6	4	60.336
4	1	3	1	8	1	9	1	120.029	6	1	6	0	6	4	6	5	47.927
4	1	3	1	9	1	10	1	113.639	5	1	6	0	4	2	3	3	42.909

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
5	1	3	1	7	1	9	1	112.052	5	1	6	0	3	3	2	4	49.362
4	2	3	1	5	3	6	4	116.46	5	1	6	0	2	4	1	5	59.51
4	2	3	1	6	4	7	5	141.758	8	0	7	0	9	0	10	0	68.734
3	2	3	1	3	3	3	4	77.763	8	1	7	0	9	2	10	3	50.7
3	2	3	1	3	4	3	5	72.983	7	1	7	0	7	2	7	3	42.675
2	2	3	1	1	3	0	4	68.609	7	1	7	0	7	3	7	4	53.18
5	1	4	1	6	1	7	1	114.079	7	1	7	0	7	4	7	5	51.777
5	1	4	1	7	1	8	1	106.261	6	1	7	0	5	2	4	3	58.495
5	1	4	1	8	1	9	1	93.873	6	1	7	0	4	3	3	4	62.987
5	1	4	1	9	1	10	1	89.796	6	1	7	0	3	4	2	5	67.344
6	1	4	1	8	1	10	1	99.785	8	1	8	0	8	2	8	3	46.521
5	2	4	1	6	3	7	4	108.352	8	1	8	0	8	3	8	4	50.665
5	2	4	1	7	4	8	5	120.508	8	1	8	0	8	4	8	5	51.025
4	2	4	1	4	3	4	4	76.845	7	1	8	0	6	2	5	3	52.489
4	2	4	1	4	4	4	5	87.243	7	1	8	0	5	3	4	4	61.534
3	2	4	1	2	3	1	4	81.991	7	1	8	0	4	4	3	5	62.432
3	2	4	1	1	4	0	5	115.933	9	1	9	0	9	2	9	3	44.469
6	1	5	1	7	1	8	1	105.142	9	1	9	0	9	3	9	4	50.028
6	1	5	1	8	1	9	1	103.156	9	1	9	0	9	4	9	5	48.562
6	1	5	1	9	1	10	1	102.106	8	1	9	0	7	2	6	3	54.23
6	2	5	1	7	3	8	4	104.234	8	1	9	0	6	3	5	4	73.944
6	2	5	1	8	4	9	5	163.42	8	1	9	0	5	4	4	5	78.247
5	2	5	1	5	3	5	4	93.99	10	1	10	0	10	2	10	3	50.572
5	2	5	1	5	4	5	5	116.582	10	1	10	0	10	3	10	4	53.781
4	2	5	1	3	3	2	4	91.996	10	1	10	0	10	4	10	5	64.741
4	2	5	1	2	4	1	5	93.802	9	1	10	0	8	2	7	3	54.572
7	1	6	1	8	1	9	1	81.569	9	1	10	0	7	3	6	4	69.755
7	1	6	1	9	1	10	1	84.616	9	1	10	0	6	4	5	5	91.843
7	2	6	1	8	3	9	4	78.75	1	1	0	1	2	1	3	1	42.437
7	2	6	1	9	4	10	5	128.139	1	1	0	1	3	1	4	1	47.525
6	2	6	1	6	3	6	4	121.449	1	1	0	1	4	1	5	1	49.367
6	2	6	1	6	4	6	5	126.414	1	1	0	1	5	1	6	1	58.884
5	2	6	1	4	3	3	4	116.389	1	1	0	1	6	1	7	1	82.787
5	2	6	1	3	4	2	5	114.687	1	1	0	1	7	1	8	1	78.961
8	1	7	1	9	1	10	1	58.025	2	1	0	1	4	1	6	1	45.375
8	2	7	1	9	3	10	4	59.053	2	1	0	1	6	1	8	1	74.638
7	2	7	1	7	3	7	4	67.95	2	1	0	1	8	1	10	1	101.691
7	2	7	1	7	4	7	5	120.42	1	2	0	1	2	3	3	4	42.055
6	2	7	1	5	3	4	4	125.28	1	2	0	1	3	4	4	5	60.757
6	2	7	1	4	4	3	5	154.678	0	2	0	1	0	3	0	4	36.834
8	2	8	1	8	3	8	4	39.243	0	2	0	1	0	4	0	5	45.726
8	2	8	1	8	4	8	5	91.942	2	1	1	1	3	1	4	1	40.017
7	2	8	1	6	3	5	4	105.03	2	1	1	1	4	1	5	1	39.528
7	2	8	1	5	4	4	5	105.023	2	1	1	1	5	1	6	1	49.233
9	2	9	1	9	3	9	4	41.814	2	1	1	1	6	1	7	1	71.543
9	2	9	1	9	4	9	5	64.362	2	1	1	1	7	1	8	1	69.233
8	2	9	1	7	3	6	4	81.204	2	1	1	1	8	1	9	1	87.32
8	2	9	1	6	4	5	5	109.655	3	1	1	1	5	1	7	1	47.395
0	2	10	1	10	3	10	4	42.347	3	1	1	1	7	1	9	1	67.839
0	2	10	1	10	4	10	5	48.182	2	2	1	1	3	3	4	4	41.478
9	2	10	1	8	3	7	4	65.104	2	2	1	1	4	4	5	5	65.39
9	2	10	1	7	4	6	5	154.557	1	2	1	1	1	3	1	4	37.118
1	2	0	2	2	2	3	2	54.833	1	2	1	1	1	4	1	5	42.186
1	2	0	2	3	2	4	2	78.564	3	1	2	1	4	1	5	1	28.721
1	2	0	2	4	2	5	2	105.581	3	1	2	1	5	1	6	1	37.687
1	2	0	2	5	2	6	2	158.701	3	1	2	1	6	1	7	1	57.832
1	2	0	2	6	2	7	2	185.333	3	1	2	1	7	1	8	1	57.325
1	2	0	2	7	2	8	2	123.371	3	1	2	1	8	1	9	1	72.781

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
2	2	0	2	4	2	6	2	116.298	3	1	2	1	9	1	10	1	93.578
2	2	0	2	6	2	8	2	157.952	4	1	2	1	6	1	8	1	63.809
2	2	0	2	8	2	10	2	112.519	4	1	2	1	8	1	10	1	91.871
1	3	0	2	2	4	3	5	52.685	3	2	2	1	4	3	5	4	42.294
0	3	0	2	0	4	0	5	63.296	3	2	2	1	5	4	6	5	55.337
2	2	1	2	3	2	4	2	64.971	2	2	2	1	2	3	2	4	38.569
2	2	1	2	4	2	5	2	99.443	2	2	2	1	2	4	2	5	42.217
2	2	1	2	5	2	6	2	147.91	4	1	3	1	5	1	6	1	40.261
2	2	1	2	6	2	7	2	176.614	4	1	3	1	6	1	7	1	65.653
2	2	1	2	7	2	8	2	120.576	4	1	3	1	7	1	8	1	68.361
2	2	1	2	8	2	9	2	97.695	4	1	3	1	8	1	9	1	89.151
3	2	1	2	5	2	7	2	134.008	4	1	3	1	9	1	10	1	114.534
3	2	1	2	7	2	9	2	102.381	5	1	3	1	7	1	9	1	68.142
2	3	1	2	3	4	4	5	63.85	4	2	3	1	5	3	6	4	54.051
1	3	1	2	1	4	1	5	52.558	4	2	3	1	6	4	7	5	49.245
3	2	2	2	4	2	5	2	74.255	3	2	3	1	3	3	3	4	33.781
3	2	2	2	5	2	6	2	114.789	3	2	3	1	3	4	3	5	41.3
3	2	2	2	6	2	7	2	146.786	2	2	3	1	1	3	0	4	40.67
3	2	2	2	7	2	8	2	103.59	5	1	4	1	6	1	7	1	52.631
3	2	2	2	8	2	9	2	85.02	5	1	4	1	7	1	8	1	58.449
3	2	2	2	9	2	10	2	116.816	5	1	4	1	8	1	9	1	81.636
4	2	2	2	6	2	8	2	134.896	5	1	4	1	9	1	10	1	107.985
4	2	2	2	8	2	10	2	104.655	6	1	4	1	8	1	10	1	74.222
3	3	2	2	4	4	5	5	71.176	5	2	4	1	6	3	7	4	50.649
2	3	2	2	2	4	2	5	43.651	5	2	4	1	7	4	8	5	50.172
4	2	3	2	5	2	6	2	98.369	4	2	4	1	4	3	4	4	46.314
4	2	3	2	6	2	7	2	145.885	4	2	4	1	4	4	4	5	44.765
4	2	3	2	7	2	8	2	111.595	3	2	4	1	2	3	1	4	39.453
4	2	3	2	8	2	9	2	95.301	3	2	4	1	1	4	0	5	55.88
4	2	3	2	9	2	10	2	133.159	6	1	5	1	7	1	8	1	38.41
5	2	3	2	7	2	9	2	91.508	6	1	5	1	8	1	9	1	60.754
4	3	3	2	5	4	6	5	102.275	6	1	5	1	9	1	10	1	83.586
3	3	3	2	3	4	3	5	48.252	6	2	5	1	7	3	8	4	51.229
2	3	3	2	1	4	0	5	64.136	6	2	5	1	8	4	9	5	59.158
5	2	4	2	6	2	7	2	100.662	5	2	5	1	5	3	5	4	40.03
5	2	4	2	7	2	8	2	87.71	5	2	5	1	5	4	5	5	44.101
5	2	4	2	8	2	9	2	79.177	4	2	5	1	3	3	2	4	41.953
5	2	4	2	9	2	10	2	114.762	4	2	5	1	2	4	1	5	54.784
6	2	4	2	8	2	10	2	107.624	7	1	6	1	8	1	9	1	58.772
5	3	4	2	6	4	7	5	100.611	7	1	6	1	9	1	10	1	78.219
4	3	4	2	4	4	4	5	68.44	7	2	6	1	8	3	9	4	52.9
3	3	4	2	2	4	1	5	57.167	7	2	6	1	9	4	10	5	60.369
6	2	5	2	7	2	8	2	101.333	6	2	6	1	6	3	6	4	55.771
6	2	5	2	8	2	9	2	99.843	6	2	6	1	6	4	6	5	42.263
6	2	5	2	9	2	10	2	152.028	5	2	6	1	4	3	3	4	47.965
6	3	5	2	7	4	8	5	125.449	5	2	6	1	3	4	2	5	51.325
5	3	5	2	5	4	5	5	73.728	8	1	7	1	9	1	10	1	51.044
4	3	5	2	3	4	2	5	71.469	8	2	7	1	9	3	10	4	45.705
7	2	6	2	8	2	9	2	55.937	7	2	7	1	7	3	7	4	45.912
7	2	6	2	9	2	10	2	90.033	7	2	7	1	7	4	7	5	44.184
7	3	6	2	8	4	9	5	105.363	6	2	7	1	5	3	4	4	49.833
6	3	6	2	6	4	6	5	98.531	6	2	7	1	4	4	3	5	48.056
5	3	6	2	4	4	3	5	102.287	8	2	8	1	8	3	8	4	44.684
8	2	7	2	9	2	10	2	55.982	8	2	8	1	8	4	8	5	41.329
8	3	7	2	9	4	10	5	66.693	7	2	8	1	6	3	5	4	53.047
7	3	7	2	7	4	7	5	93.641	7	2	8	1	5	4	4	5	56.731
6	3	7	2	5	4	4	5	120.015	9	2	9	1	9	3	9	4	51.881
8	3	8	2	8	4	8	5	76.891	9	2	9	1	9	4	9	5	45.414

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
7	3	8	2	6	4	5	5	100.816	8	2	9	1	7	3	6	4	49.682
9	3	9	2	9	4	9	5	50.165	8	2	9	1	6	4	5	5	66.109
8	3	9	2	7	4	6	5	98.263	10	2	10	1	10	3	10	4	50.73
0	3	10	2	10	4	10	5	46.905	10	2	10	1	10	4	10	5	59.223
9	3	10	2	8	4	7	5	90.204	9	2	10	1	8	3	7	4	50.879
1	3	0	3	2	3	3	3	56.135	9	2	10	1	7	4	6	5	63.511
1	3	0	3	3	3	4	3	74.833	1	2	0	2	2	2	3	2	33.638
1	3	0	3	4	3	5	3	101.195	1	2	0	2	3	2	4	2	40.697
1	3	0	3	5	3	6	3	165.19	1	2	0	2	4	2	5	2	49.927
1	3	0	3	6	3	7	3	219.797	1	2	0	2	5	2	6	2	65.4
1	3	0	3	7	3	8	3	146.187	1	2	0	2	6	2	7	2	77.724
2	3	0	3	4	3	6	3	106.196	1	2	0	2	7	2	8	2	72.482
2	3	0	3	6	3	8	3	176.094	2	2	0	2	4	2	6	2	50.033
2	3	0	3	8	3	10	3	128.044	2	2	0	2	6	2	8	2	73.494
2	3	1	3	3	3	4	3	63.102	2	2	0	2	8	2	10	2	106.335
2	3	1	3	4	3	5	3	84.494	1	3	0	2	2	4	3	5	48.968
2	3	1	3	5	3	6	3	136.073	0	3	0	2	0	4	0	5	39.413
2	3	1	3	6	3	7	3	188.776	2	2	1	2	3	2	4	2	36.55
2	3	1	3	7	3	8	3	129.191	2	2	1	2	4	2	5	2	43.079
2	3	1	3	8	3	9	3	116.424	2	2	1	2	5	2	6	2	59.819
3	3	1	3	5	3	7	3	128.936	2	2	1	2	6	2	7	2	73.617
3	3	1	3	7	3	9	3	111.227	2	2	1	2	7	2	8	2	69.729
3	3	2	3	4	3	5	3	67.707	2	2	1	2	8	2	9	2	94.778
3	3	2	3	5	3	6	3	104.912	3	2	1	2	5	2	7	2	53.272
3	3	2	3	6	3	7	3	151.716	3	2	1	2	7	2	9	2	66.929
3	3	2	3	7	3	8	3	107.474	2	3	1	2	3	4	4	5	42.332
3	3	2	3	8	3	9	3	96.978	1	3	1	2	1	4	1	5	33.987
3	3	2	3	9	3	10	3	111.073	3	2	2	2	4	2	5	2	30.226
4	3	2	3	6	3	8	3	145.392	3	2	2	2	5	2	6	2	45.034
4	3	2	3	8	3	10	3	116.622	3	2	2	2	6	2	7	2	57.241
4	3	3	3	5	3	6	3	93.085	3	2	2	2	7	2	8	2	52.835
4	3	3	3	6	3	7	3	158.834	3	2	2	2	8	2	9	2	71.9
4	3	3	3	7	3	8	3	124.419	3	2	2	2	9	2	10	2	93.199
4	3	3	3	8	3	9	3	117.162	4	2	2	2	6	2	8	2	61.082
4	3	3	3	9	3	10	3	138.384	4	2	2	2	8	2	10	2	85.58
5	3	3	3	7	3	9	3	103.557	3	3	2	2	4	4	5	5	46.383
5	3	4	3	6	3	7	3	104.509	2	3	2	2	2	4	2	5	34.085
5	3	4	3	7	3	8	3	96.099	4	2	3	2	5	2	6	2	47.37
5	3	4	3	8	3	9	3	94.661	4	2	3	2	6	2	7	2	64.998
5	3	4	3	9	3	10	3	116.842	4	2	3	2	7	2	8	2	59.119
6	3	4	3	8	3	10	3	115.858	4	2	3	2	8	2	9	2	80.394
6	3	5	3	7	3	8	3	100.204	4	2	3	2	9	2	10	2	103.948
6	3	5	3	8	3	9	3	111.864	5	2	3	2	7	2	9	2	60.001
6	3	5	3	9	3	10	3	146.637	4	3	3	2	5	4	6	5	49.646
7	3	6	3	8	3	9	3	64.053	3	3	3	2	3	4	3	5	36.298
7	3	6	3	9	3	10	3	97.965	2	3	3	2	1	4	0	5	41.663
8	3	7	3	9	3	10	3	50.905	5	2	4	2	6	2	7	2	53.293
1	4	0	4	2	4	3	4	52.945	5	2	4	2	7	2	8	2	51.532
1	4	0	4	3	4	4	4	89.432	5	2	4	2	8	2	9	2	71.866
1	4	0	4	4	4	5	4	132.24	5	2	4	2	9	2	10	2	93.216
1	4	0	4	5	4	6	4	187.232	6	2	4	2	8	2	10	2	69.771
1	4	0	4	6	4	7	4	273.528	5	3	4	2	6	4	7	5	42.437
1	4	0	4	7	4	8	4	234.976	4	3	4	2	4	4	4	5	42.425
2	4	0	4	4	4	6	4	102.989	3	3	4	2	2	4	1	5	40.01
2	4	0	4	6	4	8	4	196.201	6	2	5	2	7	2	8	2	39.264
2	4	0	4	8	4	10	4	146.015	6	2	5	2	8	2	9	2	59.987
2	4	1	4	3	4	4	4	49.247	6	2	5	2	9	2	10	2	80.246
2	4	1	4	4	4	5	4	72.798	6	3	5	2	7	4	8	5	46.626

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
2	4	1	4	5	4	6	4	106.998	5	3	5	2	5	4	5	5	53.524
2	4	1	4	6	4	7	4	165.167	4	3	5	2	3	4	2	5	44.838
2	4	1	4	7	4	8	4	148.818	7	2	6	2	8	2	9	2	53.126
2	4	1	4	8	4	9	4	123.273	7	2	6	2	9	2	10	2	65.442
3	4	1	4	5	4	7	4	110.884	7	3	6	2	8	4	9	5	41.415
3	4	1	4	7	4	9	4	130.46	6	3	6	2	6	4	6	5	54.147
3	4	2	4	4	4	5	4	61.053	5	3	6	2	4	4	3	5	46.372
3	4	2	4	5	4	6	4	89.09	8	2	7	2	9	2	10	2	47.324
3	4	2	4	6	4	7	4	141.771	8	3	7	2	9	4	10	5	38.464
3	4	2	4	7	4	8	4	133.462	7	3	7	2	7	4	7	5	36.267
3	4	2	4	8	4	9	4	111.417	6	3	7	2	5	4	4	5	45.917
3	4	2	4	9	4	10	4	103.02	8	3	8	2	8	4	8	5	40.151
4	4	2	4	6	4	8	4	157.794	7	3	8	2	6	4	5	5	46.399
4	4	2	4	8	4	10	4	133.928	9	3	9	2	9	4	9	5	39.464
4	4	3	4	5	4	6	4	84.647	8	3	9	2	7	4	6	5	45.411
4	4	3	4	6	4	7	4	162.477	10	3	10	2	10	4	10	5	47.733
4	4	3	4	7	4	8	4	174.148	9	3	10	2	8	4	7	5	46.297
4	4	3	4	8	4	9	4	151.268	1	3	0	3	2	3	3	3	43.239
4	4	3	4	9	4	10	4	145.17	1	3	0	3	3	3	4	3	47.874
5	4	3	4	7	4	9	4	138.393	1	3	0	3	4	3	5	3	59.966
5	4	4	4	6	4	7	4	102.014	1	3	0	3	5	3	6	3	87.816
5	4	4	4	7	4	8	4	128.812	1	3	0	3	6	3	7	3	73.851
5	4	4	4	8	4	9	4	120.332	1	3	0	3	7	3	8	3	84.257
5	4	4	4	9	4	10	4	120.406	2	3	0	3	4	3	6	3	54.179
6	4	4	4	8	4	10	4	124.489	2	3	0	3	6	3	8	3	65.309
6	4	5	4	7	4	8	4	120.182	2	3	0	3	8	3	10	3	108.024
6	4	5	4	8	4	9	4	124.883	2	3	1	3	3	3	4	3	33.448
6	4	5	4	9	4	10	4	129.9	2	3	1	3	4	3	5	3	41.616
7	4	6	4	8	4	9	4	105.206	2	3	1	3	5	3	6	3	62.919
7	4	6	4	9	4	10	4	116.281	2	3	1	3	6	3	7	3	54.647
8	4	7	4	9	4	10	4	71.986	2	3	1	3	7	3	8	3	63.92
1	5	0	5	2	5	3	5	52.532	2	3	1	3	8	3	9	3	89.601
1	5	0	5	3	5	4	5	98.147	3	3	1	3	5	3	7	3	55.311
1	5	0	5	4	5	5	5	165.495	3	3	1	3	7	3	9	3	68.731
1	5	0	5	5	5	6	5	176.556	3	3	2	3	4	3	5	3	36.458
1	5	0	5	6	5	7	5	220.235	3	3	2	3	5	3	6	3	55.227
1	5	0	5	7	5	8	5	296.816	3	3	2	3	6	3	7	3	48.198
2	5	0	5	4	5	6	5	115.822	3	3	2	3	7	3	8	3	56.631
2	5	0	5	6	5	8	5	187.606	3	3	2	3	8	3	9	3	81.926
2	5	0	5	8	5	10	5	173.599	3	3	2	3	9	3	10	3	103.148
2	5	1	5	3	5	4	5	50.923	4	3	2	3	6	3	8	3	49.63
2	5	1	5	4	5	5	5	90.299	4	3	2	3	8	3	10	3	85.513
2	5	1	5	5	5	6	5	99.735	4	3	3	3	5	3	6	3	58.548
2	5	1	5	6	5	7	5	130.997	4	3	3	3	6	3	7	3	47.82
2	5	1	5	7	5	8	5	186.342	4	3	3	3	7	3	8	3	52.05
2	5	1	5	8	5	9	5	151.468	4	3	3	3	8	3	9	3	74.997
3	5	1	5	5	5	7	5	96.407	4	3	3	3	9	3	10	3	96.428
3	5	1	5	7	5	9	5	163.92	5	3	3	3	7	3	9	3	53.026
3	5	2	5	4	5	5	5	75.08	5	3	4	3	6	3	7	3	44.04
3	5	2	5	5	5	6	5	81.932	5	3	4	3	7	3	8	3	44.39
3	5	2	5	6	5	7	5	112.048	5	3	4	3	8	3	9	3	64.739
3	5	2	5	7	5	8	5	169.665	5	3	4	3	9	3	10	3	85.536
3	5	2	5	8	5	9	5	140.824	6	3	4	3	8	3	10	3	69.691
3	5	2	5	9	5	10	5	117.78	6	3	5	3	7	3	8	3	51.321
4	5	2	5	6	5	8	5	150.29	6	3	5	3	8	3	9	3	64.27
4	5	2	5	8	5	10	5	170.457	6	3	5	3	9	3	10	3	80.206
4	5	3	5	5	5	6	5	80.906	7	3	6	3	8	3	9	3	45.579
4	5	3	5	6	5	7	5	130.892	7	3	6	3	9	3	10	3	49.249

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
4	5	3	5	7	5	8	5	227.577	8	3	7	3	9	3	10	3	46.499
4	5	3	5	8	5	9	5	203.085	1	4	0	4	2	4	3	4	43.738
4	5	3	5	9	5	10	5	176.954	1	4	0	4	3	4	4	4	52.628
5	5	3	5	7	5	9	5	202.065	1	4	0	4	4	4	5	4	75.251
5	5	4	5	6	5	7	5	92.036	1	4	0	4	5	4	6	4	82.537
5	5	4	5	7	5	8	5	194.174	1	4	0	4	6	4	7	4	79.837
5	5	4	5	8	5	9	5	195.779	1	4	0	4	7	4	8	4	88.369
5	5	4	5	9	5	10	5	180.996	2	4	0	4	4	4	6	4	63.522
6	5	4	5	8	5	10	5	176.789	2	4	0	4	6	4	8	4	73.348
6	5	5	5	7	5	8	5	144.886	2	4	0	4	8	4	10	4	114.019
6	5	5	5	8	5	9	5	169.096	2	4	1	4	3	4	4	4	39.064
6	5	5	5	9	5	10	5	175.214	2	4	1	4	4	4	5	4	55.148
7	5	6	5	8	5	9	5	125.616	2	4	1	4	5	4	6	4	63.277
7	5	6	5	9	5	10	5	169.177	2	4	1	4	6	4	7	4	64.153
8	5	7	5	9	5	10	5	144.641	2	4	1	4	7	4	8	4	73.754
0	4	0	5	0	3	0	2	104.835	2	4	1	4	8	4	9	4	99.151
0	4	0	5	0	2	0	1	123.231	3	4	1	4	5	4	7	4	59.064
0	4	0	5	0	1	0	0	91.822	3	4	1	4	7	4	9	4	80.018
1	4	0	5	2	3	3	2	87.715	3	4	2	4	4	4	5	4	52.109
1	4	0	5	3	2	4	1	101.915	3	4	2	4	5	4	6	4	56.755
1	4	0	5	4	1	5	0	142.118	3	4	2	4	6	4	7	4	58.387
1	5	0	5	2	5	3	5	102.416	3	4	2	4	7	4	8	4	68.18
1	5	0	5	3	5	4	5	134.998	3	4	2	4	8	4	9	4	95.232
1	5	0	5	4	5	5	5	140.796	3	4	2	4	9	4	10	4	120.445
0	3	0	4	0	2	0	1	96.634	4	4	2	4	6	4	8	4	52.953
0	3	0	4	0	1	0	0	75.24	4	4	2	4	8	4	10	4	93.652
1	3	0	4	2	2	3	1	76.534	4	4	3	4	5	4	6	4	47.802
1	3	0	4	3	1	4	0	118.853	4	4	3	4	6	4	7	4	47.52
1	4	0	4	2	4	3	4	107.48	4	4	3	4	7	4	8	4	53.659
1	4	0	4	3	4	4	4	120.906	4	4	3	4	8	4	9	4	77.721
1	4	0	4	4	4	5	4	120.599	4	4	3	4	9	4	10	4	102.878
0	2	0	3	0	1	0	0	67.338	5	4	3	4	7	4	9	4	57.188
1	2	0	3	2	1	3	0	71.012	5	4	4	4	6	4	7	4	51.183
1	3	0	3	2	3	3	3	76.312	5	4	4	4	7	4	8	4	49.122
1	3	0	3	3	3	4	3	95.543	5	4	4	4	8	4	9	4	70.62
1	3	0	3	4	3	5	3	164.246	5	4	4	4	9	4	10	4	97.564
1	2	0	2	2	2	3	2	64.115	6	4	4	4	8	4	10	4	65.842
1	2	0	2	3	2	4	2	68.194	6	4	5	4	7	4	8	4	42.599
1	2	0	2	4	2	5	2	168.606	6	4	5	4	8	4	9	4	54.277
1	3	0	2	2	4	3	5	108.956	6	4	5	4	9	4	10	4	74.36
1	1	0	1	2	1	3	1	45.917	7	4	6	4	8	4	9	4	42.031
1	1	0	1	3	1	4	1	67.126	7	4	6	4	9	4	10	4	48.812
1	1	0	1	4	1	5	1	99.446	8	4	7	4	9	4	10	4	39.484
1	2	0	1	2	3	3	4	88.027	1	5	0	5	2	5	3	5	66.006
1	2	0	1	3	4	4	5	146.139	1	5	0	5	3	5	4	5	81.203
1	0	0	0	2	0	3	0	40.373	1	5	0	5	4	5	5	5	92.942
1	0	0	0	3	0	4	0	51.023	1	5	0	5	5	5	6	5	106.012
1	0	0	0	4	0	5	0	61.202	1	5	0	5	6	5	7	5	81.667
1	1	0	0	2	2	3	3	61.043	1	5	0	5	7	5	8	5	104.243
1	1	0	0	3	3	4	4	134.787	2	5	0	5	4	5	6	5	80.336
1	1	0	0	4	4	5	5	153.198	2	5	0	5	6	5	8	5	89.219
1	4	1	5	1	3	1	2	105.22	2	5	0	5	8	5	10	5	118.142
1	4	1	5	1	2	1	1	104.517	2	5	1	5	3	5	4	5	61.488
1	4	1	5	1	1	1	0	100.847	2	5	1	5	4	5	5	5	69.676
2	4	1	5	3	3	4	2	104.241	2	5	1	5	5	5	6	5	81.689
2	4	1	5	4	2	5	1	163.343	2	5	1	5	6	5	7	5	80.212
2	5	1	5	3	5	4	5	93.974	2	5	1	5	7	5	8	5	84.381
2	5	1	5	4	5	5	5	116.602	2	5	1	5	8	5	9	5	99.08

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
1	3	1	4	1	2	1	1	81.624	3	5	1	5	5	5	7	5	81.301
1	3	1	4	1	1	1	0	84.632	3	5	1	5	7	5	9	5	92.173
2	3	1	4	3	2	4	1	78.708	3	5	2	5	4	5	5	5	69.171
2	3	1	4	4	1	5	0	128.129	3	5	2	5	5	5	6	5	81.277
2	4	1	4	3	4	4	4	121.386	3	5	2	5	6	5	7	5	81.502
2	4	1	4	4	4	5	4	126.449	3	5	2	5	7	5	8	5	86.82
1	2	1	3	1	1	1	0	58.13	3	5	2	5	8	5	9	5	104.499
2	2	1	3	3	1	4	0	59.065	3	5	2	5	9	5	10	5	131.499
2	3	1	3	3	3	4	3	67.984	4	5	2	5	6	5	8	5	76.383
2	3	1	3	4	3	5	3	120.328	4	5	2	5	8	5	10	5	107.032
2	2	1	2	3	2	4	2	39.274	4	5	3	5	5	5	6	5	70.53
2	2	1	2	4	2	5	2	91.979	4	5	3	5	6	5	7	5	72.512
2	3	1	2	3	4	4	5	105.029	4	5	3	5	7	5	8	5	75.742
2	1	1	1	3	1	4	1	41.815	4	5	3	5	8	5	9	5	92.604
2	1	1	1	4	1	5	1	64.362	4	5	3	5	9	5	10	5	119.59
2	2	1	1	3	3	4	4	81.229	5	5	3	5	7	5	9	5	71.09
2	2	1	1	4	4	5	5	109.746	5	5	4	5	6	5	7	5	60.348
2	0	1	0	3	0	4	0	42.361	5	5	4	5	7	5	8	5	62.468
2	0	1	0	4	0	5	0	48.232	5	5	4	5	8	5	9	5	77.153
2	1	1	0	3	2	4	3	65.084	5	5	4	5	9	5	10	5	103.406
2	1	1	0	4	3	5	4	154.586	6	5	4	5	8	5	10	5	74.78
2	4	2	5	2	3	2	2	101.37	6	5	5	5	7	5	8	5	52.983
2	4	2	5	2	2	2	1	100.797	6	5	5	5	8	5	9	5	62.85
2	4	2	5	2	1	2	0	150.932	6	5	5	5	9	5	10	5	87.861
3	4	2	5	4	3	5	2	125.37	7	5	6	5	8	5	9	5	51.693
3	5	2	5	4	5	5	5	73.754	7	5	6	5	9	5	10	5	69.076
2	3	2	4	2	2	2	1	55.969	8	5	7	5	9	5	10	5	55.468
2	3	2	4	2	1	2	0	89.959	0	4	0	5	0	3	0	2	40.793
3	3	2	4	4	2	5	1	105.316	0	4	0	5	0	2	0	1	62.078
3	4	2	4	4	4	5	4	98.586	0	4	0	5	0	1	0	0	94.656
2	2	2	3	2	1	2	0	56.018	1	4	0	5	2	3	3	2	47.383
3	2	2	3	4	1	5	0	66.691	1	4	0	5	3	2	4	1	63.706
3	3	2	3	4	3	5	3	93.547	1	4	0	5	4	1	5	0	75.042
3	2	2	2	4	2	5	2	76.845	1	5	0	5	2	5	3	5	42.563
3	3	2	2	4	4	5	5	100.83	1	5	0	5	3	5	4	5	47.637
3	1	2	1	4	1	5	1	50.178	1	5	0	5	4	5	5	5	48.648
3	2	2	1	4	3	5	4	98.275	0	3	0	4	0	2	0	1	62.637
3	0	2	0	4	0	5	0	46.911	0	3	0	4	0	1	0	0	91.498
3	1	2	0	4	2	5	3	90.128	1	3	0	4	2	2	3	1	57.362
3	4	3	5	3	3	3	2	100.182	1	3	0	4	3	1	4	0	66.917
3	4	3	5	3	2	3	1	111.898	1	4	0	4	2	4	3	4	45.917
3	4	3	5	3	1	3	0	147.107	1	4	0	4	3	4	4	4	60.238
3	3	3	4	3	2	3	1	64.063	1	4	0	4	4	4	5	4	47.91
3	3	3	4	3	1	3	0	98.127	0	2	0	3	0	1	0	0	68.84
3	2	3	3	3	1	3	0	50.929	1	2	0	3	2	1	3	0	50.716
4	4	4	5	4	3	4	2	120.124	1	3	0	3	2	3	3	3	42.653
4	4	4	5	4	2	4	1	124.92	1	3	0	3	3	3	4	3	53.17
4	4	4	5	4	1	4	0	129.895	1	3	0	3	4	3	5	3	51.706
4	3	4	4	4	2	4	1	105.236	1	2	0	2	2	2	3	2	46.545
4	3	4	4	4	1	4	0	116.262	1	2	0	2	3	2	4	2	50.648
4	2	4	3	4	1	4	0	71.981	1	2	0	2	4	2	5	2	50.982
4	4	4	5	4	3	4	2	42.617	1	3	0	2	2	4	3	5	52.469
4	4	4	5	4	2	4	1	54.219	1	1	0	1	2	1	3	1	44.465
4	4	4	5	4	1	4	0	74.335	1	1	0	1	3	1	4	1	50.082
4	3	4	4	4	2	4	1	41.925	1	1	0	1	4	1	5	1	48.627
4	3	4	4	4	1	4	0	48.831	1	2	0	1	2	3	3	4	54.24
4	2	4	3	4	1	4	0	39.485	1	2	0	1	3	4	4	5	73.927
5	4	5	5	5	3	5	2	52.966	1	0	0	0	2	0	3	0	50.596

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
5	4	5	5	5	2	5	1	62.888	1	0	0	0	3	0	4	0	53.733
5	4	5	5	5	1	5	0	87.899	1	0	0	0	4	0	5	0	64.726
5	3	5	4	5	2	5	1	51.755	1	1	0	0	2	2	3	3	54.627
5	3	5	4	5	1	5	0	69.184	1	1	0	0	3	3	4	4	69.796
5	2	5	3	5	1	5	0	55.436	1	1	0	0	4	4	5	5	91.844
6	4	6	5	6	3	6	2	40.803	1	4	1	5	1	3	1	2	38.414
6	4	6	5	6	2	6	1	62.094	1	4	1	5	1	2	1	1	61.231
6	4	6	5	6	1	6	0	94.67	1	4	1	5	1	1	1	0	83.238
7	4	6	5	8	3	9	2	47.385	2	4	1	5	3	3	4	2	51.26
7	4	6	5	9	2	10	1	63.711	2	4	1	5	4	2	5	1	59.123
7	5	6	5	8	5	9	5	42.557	2	5	1	5	3	5	4	5	40.04
7	5	6	5	9	5	10	5	47.65	2	5	1	5	4	5	5	5	43.891
6	3	6	4	6	2	6	1	62.646	1	3	1	4	1	2	1	1	58.795
6	3	6	4	6	1	6	0	91.519	1	3	1	4	1	1	1	0	78.34
7	3	6	4	8	2	9	1	57.362	2	3	1	4	3	2	4	1	52.938
7	3	6	4	9	1	10	0	66.913	2	3	1	4	4	1	5	0	60.383
7	4	6	4	8	4	9	4	45.91	2	4	1	4	3	4	4	4	55.796
7	4	6	4	9	4	10	4	60.231	2	4	1	4	4	4	5	4	42.28
6	2	6	3	6	1	6	0	68.841	1	2	1	3	1	1	1	0	51.144
7	2	6	3	8	1	9	0	50.718	2	2	1	3	3	1	4	0	45.758
7	3	6	3	8	3	9	3	42.656	2	3	1	3	3	3	4	3	45.949
7	3	6	3	9	3	10	3	53.173	2	3	1	3	4	3	5	3	44.174
7	2	6	2	8	2	9	2	46.54	2	2	1	2	3	2	4	2	44.709
7	2	6	2	9	2	10	2	50.662	2	2	1	2	4	2	5	2	41.293
7	3	6	2	8	4	9	5	52.464	2	3	1	2	3	4	4	5	53.046
7	1	6	1	8	1	9	1	44.466	2	1	1	1	3	1	4	1	51.917
7	1	6	1	9	1	10	1	50.08	2	1	1	1	4	1	5	1	45.413
7	2	6	1	8	3	9	4	54.246	2	2	1	1	3	3	4	4	49.709
7	2	6	1	9	4	10	5	73.939	2	2	1	1	4	4	5	5	66.056
7	0	6	0	8	0	9	0	50.58	2	0	1	0	3	0	4	0	50.69
7	0	6	0	9	0	10	0	53.72	2	0	1	0	4	0	5	0	59.235
7	1	6	0	8	2	9	3	54.628	2	1	1	0	3	2	4	3	50.894
7	1	6	0	9	3	10	4	69.81	2	1	1	0	4	3	5	4	63.449
7	4	7	5	7	3	7	2	38.428	2	4	2	5	2	3	2	2	39.272
7	4	7	5	7	2	7	1	61.22	2	4	2	5	2	2	2	1	60.481
7	4	7	5	7	1	7	0	83.324	2	4	2	5	2	1	2	0	80.071
8	4	7	5	9	3	10	2	51.265	3	4	2	5	4	3	5	2	46.61
8	5	7	5	9	5	10	5	40.051	3	5	2	5	4	5	5	5	53.325
7	3	7	4	7	2	7	1	58.789	2	3	2	4	2	2	2	1	53.221
7	3	7	4	7	1	7	0	78.266	2	3	2	4	2	1	2	0	65.516
8	3	7	4	9	2	10	1	52.956	3	3	2	4	4	2	5	1	41.362
8	4	7	4	9	4	10	4	55.79	3	4	2	4	4	4	5	4	54.183
7	2	7	3	7	1	7	0	51.14	2	2	2	3	2	1	2	0	47.364
8	2	7	3	9	1	10	0	45.745	3	2	2	3	4	1	5	0	38.464
8	3	7	3	9	3	10	3	45.953	3	3	2	3	4	3	5	3	36.259
8	2	7	2	9	2	10	2	44.718	3	2	2	2	4	2	5	2	40.049
8	3	7	2	9	4	10	5	53.035	3	3	2	2	4	4	5	5	46.396
8	1	7	1	9	1	10	1	51.918	3	1	2	1	4	1	5	1	39.464
8	2	7	1	9	3	10	4	49.712	3	2	2	1	4	3	5	4	45.418
8	0	7	0	9	0	10	0	50.663	3	0	2	0	4	0	5	0	47.743
8	1	7	0	9	2	10	3	50.895	3	1	2	0	4	2	5	3	46.251
8	4	8	5	8	3	8	2	39.286	3	4	3	5	3	3	3	2	51.302
8	4	8	5	8	2	8	1	60.288	3	4	3	5	3	2	3	1	64.452
8	4	8	5	8	1	8	0	80.361	3	4	3	5	3	1	3	0	80.394
8	3	8	4	8	2	8	1	53.214	3	3	3	4	3	2	3	1	45.623
8	3	8	4	8	1	8	0	65.577	3	3	3	4	3	1	3	0	49.327
8	2	8	3	8	1	8	0	47.378	3	2	3	3	3	1	3	0	46.544
9	4	9	5	9	3	9	2	51.266	10	4	10	5	10	3	10	2	42.612

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
9	4	9	5	9	2	9	1	64.237	10	4	10	5	10	2	10	1	54.229
9	4	9	5	9	1	9	0	80.167	10	4	10	5	10	1	10	0	74.336
9	3	9	4	9	2	9	1	45.591	10	3	10	4	10	2	10	1	41.92
9	3	9	4	9	1	9	0	49.291	10	3	10	4	10	1	10	0	48.841
9	2	9	3	9	1	9	0	46.532	10	2	10	3	10	1	10	0	39.492

Table B-3 The example of observed 3D Resistivity data from Area 2

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
1	0	0	0	2	0	3	0	140.545	1	1	1	0	1	2	1	3	357.705
1	0	0	0	3	0	4	0	114.088	1	1	1	0	1	3	1	4	467.174
1	0	0	0	4	0	5	0	123.362	1	1	1	0	1	4	1	5	571.726
1	0	0	0	5	0	6	0	115.557	3	0	2	0	4	0	5	0	194.375
1	0	0	0	6	0	7	0	163.56	3	0	2	0	5	0	6	0	191.615
1	0	0	0	7	0	8	0	306.114	3	0	2	0	6	0	7	0	230.583
2	0	0	0	4	0	6	0	125.831	3	0	2	0	7	0	8	0	254.496
2	0	0	0	6	0	8	0	188.468	3	0	2	0	8	0	9	0	279.244
2	0	0	0	8	0	10	0	512.846	3	0	2	0	9	0	10	0	300.233
1	1	0	0	2	2	3	3	234.201	4	0	2	0	6	0	8	0	282.024
1	1	0	0	3	3	4	4	312.533	4	0	2	0	8	0	10	0	352.989
1	1	0	0	4	4	5	5	426.7	3	1	2	0	4	2	5	3	555.778
0	1	0	0	0	2	0	3	203.695	3	1	2	0	5	3	6	4	685.35
0	1	0	0	0	3	0	4	267.697	3	1	2	0	6	4	7	5	869.051
0	1	0	0	0	4	0	5	305.614	2	1	2	0	2	2	2	3	453.354
2	0	1	0	3	0	4	0	107.397	2	1	2	0	2	3	2	4	489.673
2	0	1	0	4	0	5	0	132.167	2	1	2	0	2	4	2	5	754.604
2	0	1	0	5	0	6	0	118.357	4	0	3	0	5	0	6	0	235.691
2	0	1	0	6	0	7	0	136.353	4	0	3	0	6	0	7	0	290.231
2	0	1	0	7	0	8	0	230.549	4	0	3	0	7	0	8	0	329.855
2	0	1	0	8	0	9	0	417.508	4	0	3	0	8	0	9	0	375.661
3	0	1	0	5	0	7	0	128.491	4	0	3	0	9	0	10	0	421.97
3	0	1	0	7	0	9	0	210.599	5	0	3	0	7	0	9	0	401.437
2	1	1	0	3	2	4	3	293.829	4	1	3	0	5	2	6	3	611.31
2	1	1	0	4	3	5	4	360.467	4	1	3	0	6	3	7	4	766.944
2	1	1	0	5	4	6	5	407.306	4	1	3	0	7	4	8	5	817.261
1	1	1	0	1	2	1	3	187.703	3	1	3	0	3	2	3	3	530.584
1	1	1	0	1	3	1	4	284.399	3	1	3	0	3	3	3	4	674.781
1	1	1	0	1	4	1	5	346.251	3	1	3	0	3	4	3	5	1016.297
3	0	2	0	4	0	5	0	123.485	2	1	3	0	1	2	0	3	504.225
3	0	2	0	5	0	6	0	133.778	5	0	4	0	6	0	7	0	327.783
3	0	2	0	6	0	7	0	123.442	5	0	4	0	7	0	8	0	406.69
3	0	2	0	7	0	8	0	131.368	5	0	4	0	8	0	9	0	473.112
3	0	2	0	8	0	9	0	200.67	5	0	4	0	9	0	10	0	558.487
3	0	2	0	9	0	10	0	232.398	6	0	4	0	8	0	10	0	392.092
4	0	2	0	6	0	8	0	120.143	5	1	4	0	6	2	7	3	505.635
4	0	2	0	8	0	10	0	144.249	5	1	4	0	7	3	8	4	616.989
3	1	2	0	4	2	5	3	276.91	5	1	4	0	8	4	9	5	732.119
3	1	2	0	5	3	6	4	360.944	4	1	4	0	4	2	4	3	504.707
3	1	2	0	6	4	7	5	410.343	4	1	4	0	4	3	4	4	641.731
2	1	2	0	2	2	2	3	231.017	4	1	4	0	4	4	4	5	969.645
2	1	2	0	2	3	2	4	301.3	3	1	4	0	2	2	1	3	592.388
2	1	2	0	2	4	2	5	342.762	3	1	4	0	1	3	0	4	581.548
4	0	3	0	5	0	6	0	121.811	6	0	5	0	7	0	8	0	242.311

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
4	0	3	0	6	0	7	0	124.916	6	0	5	0	8	0	9	0	318.519
4	0	3	0	7	0	8	0	99.492	6	0	5	0	9	0	10	0	412.08
4	0	3	0	8	0	9	0	106.968	6	1	5	0	7	2	8	3	384.606
4	0	3	0	9	0	10	0	96.883	6	1	5	0	8	3	9	4	540.973
5	0	3	0	7	0	9	0	114.766	6	1	5	0	9	4	10	5	691.099
4	1	3	0	5	2	6	3	228.213	5	1	5	0	5	2	5	3	409.427
4	1	3	0	6	3	7	4	305.78	5	1	5	0	5	3	5	4	586.3
4	1	3	0	7	4	8	5	354.86	5	1	5	0	5	4	5	5	702.562
3	1	3	0	3	2	3	3	268.888	4	1	5	0	3	2	2	3	638.711
3	1	3	0	3	3	3	4	325.117	4	1	5	0	2	3	1	4	713.414
3	1	3	0	3	4	3	5	355.829	4	1	5	0	1	4	0	5	595.58
2	1	3	0	1	2	0	3	244.548	7	0	6	0	8	0	9	0	242.721
5	0	4	0	6	0	7	0	135.037	7	0	6	0	9	0	10	0	353.047
5	0	4	0	7	0	8	0	121.722	7	1	6	0	8	2	9	3	357.872
5	0	4	0	8	0	9	0	118.326	7	1	6	0	9	3	10	4	488.572
5	0	4	0	9	0	10	0	95.921	6	1	6	0	6	2	6	3	348.871
6	0	4	0	8	0	10	0	117.91	6	1	6	0	6	3	6	4	462.673
5	1	4	0	6	2	7	3	219.654	6	1	6	0	6	4	6	5	636.385
5	1	4	0	7	3	8	4	264.027	5	1	6	0	4	2	3	3	543.594
5	1	4	0	8	4	9	5	418.527	5	1	6	0	3	3	2	4	750.298
4	1	4	0	4	2	4	3	195.691	5	1	6	0	2	4	1	5	687.322
4	1	4	0	4	3	4	4	293.963	8	0	7	0	9	0	10	0	288.166
4	1	4	0	4	4	4	5	329.024	8	1	7	0	9	2	10	3	332.096
3	1	4	0	2	2	1	3	279.305	7	1	7	0	7	2	7	3	275.723
3	1	4	0	1	3	0	4	317.09	7	1	7	0	7	3	7	4	402.411
6	0	5	0	7	0	8	0	119.327	7	1	7	0	7	4	7	5	573.837
6	0	5	0	8	0	9	0	127.316	6	1	7	0	5	2	4	3	437.505
6	0	5	0	9	0	10	0	106.04	6	1	7	0	4	3	3	4	610.32
6	1	5	0	7	2	8	3	198.351	6	1	7	0	3	4	2	5	800.062
6	1	5	0	8	3	9	4	276.07	8	1	8	0	8	2	8	3	262.439
6	1	5	0	9	4	10	5	404.873	8	1	8	0	8	3	8	4	397.79
5	1	5	0	5	2	5	3	172.981	8	1	8	0	8	4	8	5	520.794
5	1	5	0	5	3	5	4	303.265	7	1	8	0	6	2	5	3	382.823
5	1	5	0	5	4	5	5	348.199	7	1	8	0	5	3	4	4	494.985
4	1	5	0	3	2	2	3	278.675	7	1	8	0	4	4	3	5	827.966
4	1	5	0	2	3	1	4	312.096	9	1	9	0	9	2	9	3	285.802
4	1	5	0	1	4	0	5	314.455	9	1	9	0	9	3	9	4	414.099
7	0	6	0	8	0	9	0	140.001	9	1	9	0	9	4	9	5	600.169
7	0	6	0	9	0	10	0	134.68	8	1	9	0	7	2	6	3	385.171
7	1	6	0	8	2	9	3	200.977	8	1	9	0	6	3	5	4	538.713
7	1	6	0	9	3	10	4	282.875	8	1	9	0	5	4	4	5	703.937
6	1	6	0	6	2	6	3	168.628	10	1	10	0	10	2	10	3	334.819
6	1	6	0	6	3	6	4	254.74	10	1	10	0	10	3	10	4	384.912
6	1	6	0	6	4	6	5	330.485	10	1	10	0	10	4	10	5	614.187
5	1	6	0	4	2	3	3	257.042	9	1	10	0	8	2	7	3	350.142
5	1	6	0	3	3	2	4	308.55	9	1	10	0	7	3	6	4	623.259
5	1	6	0	2	4	1	5	314.112	9	1	10	0	6	4	5	5	660.873
8	0	7	0	9	0	10	0	124.934	1	1	0	1	2	1	3	1	351.618
8	1	7	0	9	2	10	3	247.771	1	1	0	1	3	1	4	1	476.875
7	1	7	0	7	2	7	3	167.89	1	1	0	1	4	1	5	1	469.993
7	1	7	0	7	3	7	4	221.95	1	1	0	1	5	1	6	1	429.122
7	1	7	0	7	4	7	5	336.579	1	1	0	1	6	1	7	1	398.589
6	1	7	0	5	2	4	3	225.148	1	1	0	1	7	1	8	1	356.046
6	1	7	0	4	3	3	4	348.175	2	1	0	1	4	1	6	1	443.268
6	1	7	0	3	4	2	5	311.548	2	1	0	1	6	1	8	1	389.494

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
8	1	8	0	8	2	8	3	193.681	2	1	0	1	8	1	10	1	424.756
8	1	8	0	8	3	8	4	246.87	1	2	0	1	2	3	3	4	429.836
8	1	8	0	8	4	8	5	327.591	1	2	0	1	3	4	4	5	686.652
7	1	8	0	6	2	5	3	211.429	0	2	0	1	0	3	0	4	322.378
7	1	8	0	5	3	4	4	332.293	0	2	0	1	0	4	0	5	473.305
7	1	8	0	4	4	3	5	338.423	2	1	1	1	3	1	4	1	358.833
9	1	9	0	9	2	9	3	244.3	2	1	1	1	4	1	5	1	440.433
9	1	9	0	9	3	9	4	339.66	2	1	1	1	5	1	6	1	431.362
9	1	9	0	9	4	9	5	441.533	2	1	1	1	6	1	7	1	410.425
8	1	9	0	7	2	6	3	218.182	2	1	1	1	7	1	8	1	365.602
8	1	9	0	6	3	5	4	301.988	2	1	1	1	8	1	9	1	417.363
8	1	9	0	5	4	4	5	410.785	3	1	1	1	5	1	7	1	468.872
10	1	10	0	10	2	10	3	256.381	3	1	1	1	7	1	9	1	454.416
10	1	10	0	10	3	10	4	385.091	2	2	1	1	3	3	4	4	540.496
10	1	10	0	10	4	10	5	495.328	2	2	1	1	4	4	5	5	696.015
9	1	10	0	8	2	7	3	276.2	1	2	1	1	1	3	1	4	356.223
9	1	10	0	7	3	6	4	310.081	1	2	1	1	1	4	1	5	502.443
9	1	10	0	6	4	5	5	421.325	3	1	2	1	4	1	5	1	397.082
1	1	0	1	2	1	3	1	227.056	3	1	2	1	5	1	6	1	482.019
1	1	0	1	3	1	4	1	211.527	3	1	2	1	6	1	7	1	503.371
1	1	0	1	4	1	5	1	222.874	3	1	2	1	7	1	8	1	468.363
1	1	0	1	5	1	6	1	210.212	3	1	2	1	8	1	9	1	543.207
1	1	0	1	6	1	7	1	213.707	3	1	2	1	9	1	10	1	600.578
1	1	0	1	7	1	8	1	249.21	4	1	2	1	6	1	8	1	477.775
2	1	0	1	4	1	6	1	257.404	4	1	2	1	8	1	10	1	590.032
2	1	0	1	6	1	8	1	255.161	3	2	2	1	4	3	5	4	593.382
2	1	0	1	8	1	10	1	396.767	3	2	2	1	5	4	6	5	768.323
1	2	0	1	2	3	3	4	261.759	2	2	2	1	2	3	2	4	387.631
1	2	0	1	3	4	4	5	396.826	2	2	2	1	2	4	2	5	705.003
0	2	0	1	0	3	0	4	193.047	4	1	3	1	5	1	6	1	363.864
0	2	0	1	0	4	0	5	265.019	4	1	3	1	6	1	7	1	469.624
2	1	1	1	3	1	4	1	213.06	4	1	3	1	7	1	8	1	476.765
2	1	1	1	4	1	5	1	274.639	4	1	3	1	8	1	9	1	575.202
2	1	1	1	5	1	6	1	272.936	4	1	3	1	9	1	10	1	655.997
2	1	1	1	6	1	7	1	268.72	5	1	3	1	7	1	9	1	452.001
2	1	1	1	7	1	8	1	276.694	4	2	3	1	5	3	6	4	555.167
2	1	1	1	8	1	9	1	361.29	4	2	3	1	6	4	7	5	852.626
3	1	1	1	5	1	7	1	271.044	3	2	3	1	3	3	3	4	446.048
3	1	1	1	7	1	9	1	285.02	3	2	3	1	3	4	3	5	832.281
2	2	1	1	3	3	4	4	290.817	2	2	3	1	1	3	0	4	468.857
2	2	1	1	4	4	5	5	445.039	5	1	4	1	6	1	7	1	318.13
1	2	1	1	1	3	1	4	211.355	5	1	4	1	7	1	8	1	392.499
1	2	1	1	1	4	1	5	317.483	5	1	4	1	8	1	9	1	514.29
3	1	2	1	4	1	5	1	215.518	5	1	4	1	9	1	10	1	622.178
3	1	2	1	5	1	6	1	266.986	6	1	4	1	8	1	10	1	456.886
3	1	2	1	6	1	7	1	280.78	5	2	4	1	6	3	7	4	478.026
3	1	2	1	7	1	8	1	262.825	5	2	4	1	7	4	8	5	588.376
3	1	2	1	8	1	9	1	282.637	4	2	4	1	4	3	4	4	375.008
3	1	2	1	9	1	10	1	325.273	4	2	4	1	4	4	4	5	689.518
4	1	2	1	6	1	8	1	243.408	3	2	4	1	2	3	1	4	559.79
4	1	2	1	8	1	10	1	250.899	3	2	4	1	1	4	0	5	584.608
3	2	2	1	4	3	5	4	292.902	6	1	5	1	7	1	8	1	236.327
3	2	2	1	5	4	6	5	377.574	6	1	5	1	8	1	9	1	377.707
2	2	2	1	2	3	2	4	211.526	6	1	5	1	9	1	10	1	514.47
2	2	2	1	2	4	2	5	292.843	6	2	5	1	7	3	8	4	405.552

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
4	1	3	1	5	1	6	1	174.884	6	2	5	1	8	4	9	5	517.77
4	1	3	1	6	1	7	1	232.576	5	2	5	1	5	3	5	4	389.365
4	1	3	1	7	1	8	1	223.409	5	2	5	1	5	4	5	5	558.357
4	1	3	1	8	1	9	1	217.224	4	2	5	1	3	3	2	4	595.976
4	1	3	1	9	1	10	1	233.249	4	2	5	1	2	4	1	5	692.403
5	1	3	1	7	1	9	1	215.945	7	1	6	1	8	1	9	1	201.496
4	2	3	1	5	3	6	4	306.085	7	1	6	1	9	1	10	1	342.268
4	2	3	1	6	4	7	5	400.541	7	2	6	1	8	3	9	4	357.317
3	2	3	1	3	3	3	4	210.803	7	2	6	1	9	4	10	5	497.394
3	2	3	1	3	4	3	5	282.694	6	2	6	1	6	3	6	4	369.264
2	2	3	1	1	3	0	4	272.946	6	2	6	1	6	4	6	5	574.164
5	1	4	1	6	1	7	1	179.735	5	2	6	1	4	3	3	4	538.29
5	1	4	1	7	1	8	1	213.889	5	2	6	1	3	4	2	5	858.887
5	1	4	1	8	1	9	1	213.382	8	1	7	1	9	1	10	1	223.873
5	1	4	1	9	1	10	1	227.463	8	2	7	1	9	3	10	4	310.119
6	1	4	1	8	1	10	1	205.147	7	2	7	1	7	3	7	4	303.378
5	2	4	1	6	3	7	4	278.137	7	2	7	1	7	4	7	5	477.048
5	2	4	1	7	4	8	5	381.221	6	2	7	1	5	3	4	4	463.808
4	2	4	1	4	3	4	4	265.549	6	2	7	1	4	4	3	5	837.412
4	2	4	1	4	4	4	5	333.303	8	2	8	1	8	3	8	4	262.772
3	2	4	1	2	3	1	4	277.2	8	2	8	1	8	4	8	5	386.531
3	2	4	1	1	4	0	5	345.93	7	2	8	1	6	3	5	4	369.408
6	1	5	1	7	1	8	1	168.272	7	2	8	1	5	4	4	5	513.956
6	1	5	1	8	1	9	1	192.959	9	2	9	1	9	3	9	4	265.106
6	1	5	1	9	1	10	1	216.52	9	2	9	1	9	4	9	5	434.348
6	2	5	1	7	3	8	4	237.994	8	2	9	1	7	3	6	4	372.852
6	2	5	1	8	4	9	5	427.83	8	2	9	1	6	4	5	5	432.561
5	2	5	1	5	3	5	4	261.58	10	2	10	1	10	3	10	4	246.986
5	2	5	1	5	4	5	5	335.364	10	2	10	1	10	4	10	5	450.871
4	2	5	1	3	3	2	4	273.551	9	2	10	1	8	3	7	4	336.079
4	2	5	1	2	4	1	5	332.799	9	2	10	1	7	4	6	5	546.583
7	1	6	1	8	1	9	1	176.738	1	2	0	2	2	2	3	2	425.964
7	1	6	1	9	1	10	1	225.122	1	2	0	2	3	2	4	2	527.616
7	2	6	1	8	3	9	4	273.418	1	2	0	2	4	2	5	2	545.294
7	2	6	1	9	4	10	5	453.544	1	2	0	2	5	2	6	2	606.705
6	2	6	1	6	3	6	4	242.157	1	2	0	2	6	2	7	2	552.51
6	2	6	1	6	4	6	5	318.536	1	2	0	2	7	2	8	2	447.282
5	2	6	1	4	3	3	4	309.605	2	2	0	2	4	2	6	2	597.722
5	2	6	1	3	4	2	5	330.031	2	2	0	2	6	2	8	2	579.938
8	1	7	1	9	1	10	1	220.96	2	2	0	2	8	2	10	2	530.302
8	2	7	1	9	3	10	4	318.128	1	3	0	2	2	4	3	5	559.14
7	2	7	1	7	3	7	4	222.566	0	3	0	2	0	4	0	5	299.84
7	2	7	1	7	4	7	5	363.155	2	2	1	2	3	2	4	2	440.56
6	2	7	1	5	3	4	4	308.624	2	2	1	2	4	2	5	2	572.432
6	2	7	1	4	4	3	5	362.541	2	2	1	2	5	2	6	2	708.248
8	2	8	1	8	3	8	4	260.994	2	2	1	2	6	2	7	2	669.068
8	2	8	1	8	4	8	5	361.144	2	2	1	2	7	2	8	2	536.397
7	2	8	1	6	3	5	4	268.461	2	2	1	2	8	2	9	2	543.783
7	2	8	1	5	4	4	5	406.693	3	2	1	2	5	2	7	2	726.223
9	2	9	1	9	3	9	4	292.096	3	2	1	2	7	2	9	2	611.023
9	2	9	1	9	4	9	5	414.185	2	3	1	2	3	4	4	5	767.23
8	2	9	1	7	3	6	4	275.672	1	3	1	2	1	4	1	5	371.707
8	2	9	1	6	4	5	5	422.853	3	2	2	2	4	2	5	2	461.441
10	2	10	1	10	3	10	4	299.623	3	2	2	2	5	2	6	2	728.194
10	2	10	1	10	4	10	5	419.82	3	2	2	2	6	2	7	2	767.722

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
9	2	10	1	8	3	7	4	301.659	3	2	2	2	7	2	8	2	646.529
9	2	10	1	7	4	6	5	393.935	3	2	2	2	8	2	9	2	666.843
1	2	0	2	2	2	3	2	214.444	3	2	2	2	9	2	10	2	766.698
1	2	0	2	3	2	4	2	295.741	4	2	2	2	6	2	8	2	629.864
1	2	0	2	4	2	5	2	307.003	4	2	2	2	8	2	10	2	659.212
1	2	0	2	5	2	6	2	307.095	3	3	2	2	4	4	5	5	803.78
1	2	0	2	6	2	7	2	317.545	2	3	2	2	2	4	2	5	671.545
1	2	0	2	7	2	8	2	313.332	4	2	3	2	5	2	6	2	458.684
2	2	0	2	4	2	6	2	305.794	4	2	3	2	6	2	7	2	602.738
2	2	0	2	6	2	8	2	328.655	4	2	3	2	7	2	8	2	552.297
2	2	0	2	8	2	10	2	396.338	4	2	3	2	8	2	9	2	593.361
1	3	0	2	2	4	3	5	205.736	4	2	3	2	9	2	10	2	703.576
0	3	0	2	0	4	0	5	148.752	5	2	3	2	7	2	9	2	456.656
2	2	1	2	3	2	4	2	239.836	4	3	3	2	5	4	6	5	697.897
2	2	1	2	4	2	5	2	300.058	3	3	3	2	3	4	3	5	809.516
2	2	1	2	5	2	6	2	318.838	2	3	3	2	1	4	0	5	564.313
2	2	1	2	6	2	7	2	339.933	5	2	4	2	6	2	7	2	357.114
2	2	1	2	7	2	8	2	329.29	5	2	4	2	7	2	8	2	393.764
2	2	1	2	8	2	9	2	383.024	5	2	4	2	8	2	9	2	450.326
3	2	1	2	5	2	7	2	297.483	5	2	4	2	9	2	10	2	557.965
3	2	1	2	7	2	9	2	338.074	6	2	4	2	8	2	10	2	452.743
2	3	1	2	3	4	4	5	253.089	5	3	4	2	6	4	7	5	716.131
1	3	1	2	1	4	1	5	164.6	4	3	4	2	4	4	4	5	777.599
3	2	2	2	4	2	5	2	220.655	3	3	4	2	2	4	1	5	723.907
3	2	2	2	5	2	6	2	272.021	6	2	5	2	7	2	8	2	319.389
3	2	2	2	6	2	7	2	318.657	6	2	5	2	8	2	9	2	400.631
3	2	2	2	7	2	8	2	314.751	6	2	5	2	9	2	10	2	530.977
3	2	2	2	8	2	9	2	358.129	6	3	5	2	7	4	8	5	563.717
3	2	2	2	9	2	10	2	393.67	5	3	5	2	5	4	5	5	532.437
4	2	2	2	6	2	8	2	315.828	4	3	5	2	3	4	2	5	875.093
4	2	2	2	8	2	10	2	381.352	7	2	6	2	8	2	9	2	267.59
3	3	2	2	4	4	5	5	295.154	7	2	6	2	9	2	10	2	397.272
2	3	2	2	2	4	2	5	179.816	7	3	6	2	8	4	9	5	497.796
4	2	3	2	5	2	6	2	226.864	6	3	6	2	6	4	6	5	564.869
4	2	3	2	6	2	7	2	310.391	5	3	6	2	4	4	3	5	848.276
4	2	3	2	7	2	8	2	327.125	8	2	7	2	9	2	10	2	251.176
4	2	3	2	8	2	9	2	374.223	8	3	7	2	9	4	10	5	413.083
4	2	3	2	9	2	10	2	407.031	7	3	7	2	7	4	7	5	518.896
5	2	3	2	7	2	9	2	291.714	6	3	7	2	5	4	4	5	675.564
4	3	3	2	5	4	6	5	285.818	8	3	8	2	8	4	8	5	371.027
3	3	3	2	3	4	3	5	201.478	7	3	8	2	6	4	5	5	489.655
2	3	3	2	1	4	0	5	220.251	9	3	9	2	9	4	9	5	310.779
5	2	4	2	6	2	7	2	216.068	8	3	9	2	7	4	6	5	486.823
5	2	4	2	7	2	8	2	255.581	10	3	10	2	10	4	10	5	281.052
5	2	4	2	8	2	9	2	304.158	9	3	10	2	8	4	7	5	341.106
5	2	4	2	9	2	10	2	342.018	1	3	0	3	2	3	3	3	394.601
6	2	4	2	8	2	10	2	287.328	1	3	0	3	3	3	4	3	581.578
5	3	4	2	6	4	7	5	274.11	1	3	0	3	4	3	5	3	620.895
4	3	4	2	4	4	4	5	222.655	1	3	0	3	5	3	6	3	570.16
3	3	4	2	2	4	1	5	252.464	1	3	0	3	6	3	7	3	614.16
6	2	5	2	7	2	8	2	199.487	1	3	0	3	7	3	8	3	491.714
6	2	5	2	8	2	9	2	260.563	2	3	0	3	4	3	6	3	727.94
6	2	5	2	9	2	10	2	309.406	2	3	0	3	6	3	8	3	703.535
6	3	5	2	7	4	8	5	257.761	2	3	0	3	8	3	10	3	575.53
5	3	5	2	5	4	5	5	208.268	2	3	1	3	3	3	4	3	598.331

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
4	3	5	2	3	4	2	5	258.486	2	3	1	3	4	3	5	3	788.914
7	2	6	2	8	2	9	2	221.929	2	3	1	3	5	3	6	3	762.415
7	2	6	2	9	2	10	2	291.629	2	3	1	3	6	3	7	3	841.687
7	3	6	2	8	4	9	5	300.321	2	3	1	3	7	3	8	3	685.132
6	3	6	2	6	4	6	5	209.571	2	3	1	3	8	3	9	3	676.032
5	3	6	2	4	4	3	5	249.88	3	3	1	3	5	3	7	3	774.857
8	2	7	2	9	2	10	2	271.253	3	3	1	3	7	3	9	3	723.091
8	3	7	2	9	4	10	5	346.746	3	3	2	3	4	3	5	3	638.537
7	3	7	2	7	4	7	5	207.716	3	3	2	3	5	3	6	3	728.492
6	3	7	2	5	4	4	5	274.488	3	3	2	3	6	3	7	3	869.297
8	3	8	2	8	4	8	5	237.037	3	3	2	3	7	3	8	3	746.19
7	3	8	2	6	4	5	5	260.523	3	3	2	3	8	3	9	3	750.272
9	3	9	2	9	4	9	5	308.738	3	3	2	3	9	3	10	3	692.667
8	3	9	2	7	4	6	5	286.84	4	3	2	3	6	3	8	3	731.692
10	3	10	2	10	4	10	5	312.594	4	3	2	3	8	3	10	3	685.13
9	3	10	2	8	4	7	5	302.553	4	3	3	3	5	3	6	3	517.142
1	3	0	3	2	3	3	3	160.952	4	3	3	3	6	3	7	3	705.643
1	3	0	3	3	3	4	3	276.213	4	3	3	3	7	3	8	3	652.091
1	3	0	3	4	3	5	3	356.189	4	3	3	3	8	3	9	3	674.845
1	3	0	3	5	3	6	3	349.044	4	3	3	3	9	3	10	3	631.441
1	3	0	3	6	3	7	3	357.225	5	3	3	3	7	3	9	3	562.568
1	3	0	3	7	3	8	3	337.73	5	3	4	3	6	3	7	3	487.737
2	3	0	3	4	3	6	3	353.237	5	3	4	3	7	3	8	3	510.772
2	3	0	3	6	3	8	3	369.33	5	3	4	3	8	3	9	3	545.466
2	3	0	3	8	3	10	3	495.026	5	3	4	3	9	3	10	3	517.616
2	3	1	3	3	3	4	3	228.054	6	3	4	3	8	3	10	3	491.617
2	3	1	3	4	3	5	3	347.773	6	3	5	3	7	3	8	3	399.355
2	3	1	3	5	3	6	3	366.071	6	3	5	3	8	3	9	3	477.855
2	3	1	3	6	3	7	3	388.108	6	3	5	3	9	3	10	3	459.215
2	3	1	3	7	3	8	3	368.998	7	3	6	3	8	3	9	3	397.622
2	3	1	3	8	3	9	3	498.984	7	3	6	3	9	3	10	3	425.163
3	3	1	3	5	3	7	3	322.111	8	3	7	3	9	3	10	3	262.253
3	3	1	3	7	3	9	3	381.818	1	4	0	4	2	4	3	4	414.892
3	3	2	3	4	3	5	3	231.443	1	4	0	4	3	4	4	4	585.042
3	3	2	3	5	3	6	3	288.869	1	4	0	4	4	4	5	4	531.91
3	3	2	3	6	3	7	3	328.438	1	4	0	4	5	4	6	4	469.542
3	3	2	3	7	3	8	3	317.759	1	4	0	4	6	4	7	4	669.588
3	3	2	3	8	3	9	3	435.007	1	4	0	4	7	4	8	4	512.614
3	3	2	3	9	3	10	3	468.977	2	4	0	4	4	4	6	4	555.881
4	3	2	3	6	3	8	3	317.221	2	4	0	4	6	4	8	4	689.34
4	3	2	3	8	3	10	3	464.843	2	4	0	4	8	4	10	4	580.33
4	3	3	3	5	3	6	3	232.746	2	4	1	4	3	4	4	4	538.65
4	3	3	3	6	3	7	3	311.357	2	4	1	4	4	4	5	4	586.283
4	3	3	3	7	3	8	3	320.305	2	4	1	4	5	4	6	4	548.258
4	3	3	3	8	3	9	3	455.794	2	4	1	4	6	4	7	4	806.732
4	3	3	3	9	3	10	3	506.662	2	4	1	4	7	4	8	4	618.787
5	3	3	3	7	3	9	3	313.286	2	4	1	4	8	4	9	4	620.635
5	3	4	3	6	3	7	3	225.335	3	4	1	4	5	4	7	4	762.855
5	3	4	3	7	3	8	3	251.404	3	4	1	4	7	4	9	4	781.241
5	3	4	3	8	3	9	3	389.709	3	4	2	4	4	4	5	4	631.166
5	3	4	3	9	3	10	3	456.775	3	4	2	4	5	4	6	4	698.659
6	3	4	3	8	3	10	3	355.741	3	4	2	4	6	4	7	4	1114.714
6	3	5	3	7	3	8	3	179.65	3	4	2	4	7	4	8	4	878.096
6	3	5	3	8	3	9	3	308.363	3	4	2	4	8	4	9	4	879.672
6	3	5	3	9	3	10	3	389.353	3	4	2	4	9	4	10	4	875.193

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
7	3	6	3	8	3	9	3	208.951	4	4	2	4	6	4	8	4	1062.835
7	3	6	3	9	3	10	3	306.497	4	4	2	4	8	4	10	4	939.31
8	3	7	3	9	3	10	3	258.538	4	4	3	4	5	4	6	4	548.842
1	4	0	4	2	4	3	4	157.258	4	4	3	4	6	4	7	4	1122.23
1	4	0	4	3	4	4	4	246.65	4	4	3	4	7	4	8	4	953.775
1	4	0	4	4	4	5	4	421.45	4	4	3	4	8	4	9	4	977.534
1	4	0	4	5	4	6	4	409.933	4	4	3	4	9	4	10	4	974.636
1	4	0	4	6	4	7	4	437.289	5	4	3	4	7	4	9	4	710.294
1	4	0	4	7	4	8	4	386.757	5	4	4	4	6	4	7	4	563.166
2	4	0	4	4	4	6	4	359.32	5	4	4	4	7	4	8	4	587.01
2	4	0	4	6	4	8	4	394.924	5	4	4	4	8	4	9	4	640.782
2	4	0	4	8	4	10	4	551.747	5	4	4	4	9	4	10	4	653.681
2	4	1	4	3	4	4	4	162.275	6	4	4	4	8	4	10	4	539.5
2	4	1	4	4	4	5	4	328.154	6	4	5	4	7	4	8	4	386.26
2	4	1	4	5	4	6	4	350.407	6	4	5	4	8	4	9	4	486.393
2	4	1	4	6	4	7	4	396.349	6	4	5	4	9	4	10	4	513.841
2	4	1	4	7	4	8	4	357.537	7	4	6	4	8	4	9	4	431.27
2	4	1	4	8	4	9	4	508.6	7	4	6	4	9	4	10	4	534.594
3	4	1	4	5	4	7	4	317.611	8	4	7	4	9	4	10	4	295.717
3	4	1	4	7	4	9	4	389.529	1	5	0	5	2	5	3	5	367.94
3	4	2	4	4	4	5	4	223.269	1	5	0	5	3	5	4	5	505.346
3	4	2	4	5	4	6	4	277.713	1	5	0	5	4	5	5	5	538.224
3	4	2	4	6	4	7	4	344.295	1	5	0	5	5	5	6	5	405.325
3	4	2	4	7	4	8	4	320.806	1	5	0	5	6	5	7	5	455.702
3	4	2	4	8	4	9	4	467.271	1	5	0	5	7	5	8	5	445.529
3	4	2	4	9	4	10	4	547.712	2	5	0	5	4	5	6	5	578.979
4	4	2	4	6	4	8	4	319.264	2	5	0	5	6	5	8	5	575.917
4	4	2	4	8	4	10	4	496.517	2	5	0	5	8	5	10	5	572.908
4	4	3	4	5	4	6	4	215.821	2	5	1	5	3	5	4	5	550.113
4	4	3	4	6	4	7	4	314.613	2	5	1	5	4	5	5	5	662.541
4	4	3	4	7	4	8	4	306.317	2	5	1	5	5	5	6	5	499.505
4	4	3	4	8	4	9	4	460.375	2	5	1	5	6	5	7	5	662.476
4	4	3	4	9	4	10	4	555.621	2	5	1	5	7	5	8	5	552.972
5	4	3	4	7	4	9	4	340.287	2	5	1	5	8	5	9	5	562.765
5	4	4	4	6	4	7	4	258.562	3	5	1	5	5	5	7	5	675.558
5	4	4	4	7	4	8	4	283.462	3	5	1	5	7	5	9	5	689.095
5	4	4	4	8	4	9	4	456.73	3	5	2	5	4	5	5	5	813.721
5	4	4	4	9	4	10	4	579.51	3	5	2	5	5	5	6	5	653.898
6	4	4	4	8	4	10	4	391.278	3	5	2	5	6	5	7	5	913.524
6	4	5	4	7	4	8	4	175.784	3	5	2	5	7	5	8	5	766.799
6	4	5	4	8	4	9	4	313.065	3	5	2	5	8	5	9	5	769.538
6	4	5	4	9	4	10	4	427.727	3	5	2	5	9	5	10	5	949.852
7	4	6	4	8	4	9	4	221.696	4	5	2	5	6	5	8	5	950.302
7	4	6	4	9	4	10	4	342.866	4	5	2	5	8	5	10	5	945.04
8	4	7	4	9	4	10	4	252.331	4	5	3	5	5	5	6	5	596.544
1	5	0	5	2	5	3	5	136.578	4	5	3	5	6	5	7	5	1017.019
1	5	0	5	3	5	4	5	283.113	4	5	3	5	7	5	8	5	911.157
1	5	0	5	4	5	5	5	437.245	4	5	3	5	8	5	9	5	926.782
1	5	0	5	5	5	6	5	500.544	4	5	3	5	9	5	10	5	1150.215
1	5	0	5	6	5	7	5	433.257	5	5	3	5	7	5	9	5	742.452
1	5	0	5	7	5	8	5	433.145	5	5	4	5	6	5	7	5	601.933
2	5	0	5	4	5	6	5	397.528	5	5	4	5	7	5	8	5	651.444
2	5	0	5	6	5	8	5	413.908	5	5	4	5	8	5	9	5	707.06
2	5	0	5	8	5	10	5	588.812	5	5	4	5	9	5	10	5	911.218
2	5	1	5	3	5	4	5	179.948	6	5	4	5	8	5	10	5	623.923

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
2	5	1	5	4	5	5	5	346.452	6	5	5	5	7	5	8	5	406.408
2	5	1	5	5	5	6	5	434.069	6	5	5	5	8	5	9	5	504.689
2	5	1	5	6	5	7	5	399.558	6	5	5	5	9	5	10	5	696.319
2	5	1	5	7	5	8	5	404.64	7	5	6	5	8	5	9	5	382.342
2	5	1	5	8	5	9	5	532.357	7	5	6	5	9	5	10	5	661.972
3	5	1	5	5	5	7	5	354.97	8	5	7	5	9	5	10	5	361.959
3	5	1	5	7	5	9	5	411.844	0	4	0	5	0	3	0	2	242.788
3	5	2	5	4	5	5	5	215.588	0	4	0	5	0	2	0	1	318.45
3	5	2	5	5	5	6	5	325.39	0	4	0	5	0	1	0	0	414.056
3	5	2	5	6	5	7	5	327.345	1	4	0	5	2	3	3	2	384.8
3	5	2	5	7	5	8	5	343.11	1	4	0	5	3	2	4	1	541.43
3	5	2	5	8	5	9	5	464.318	1	4	0	5	4	1	5	0	691.371
3	5	2	5	9	5	10	5	578.381	1	5	0	5	2	5	3	5	410.221
4	5	2	5	6	5	8	5	321.064	1	5	0	5	3	5	4	5	586.827
4	5	2	5	8	5	10	5	523.937	1	5	0	5	4	5	5	5	702.704
4	5	3	5	5	5	6	5	252.162	0	3	0	4	0	2	0	1	244.421
4	5	3	5	6	5	7	5	305.904	0	3	0	4	0	1	0	0	354.064
4	5	3	5	7	5	8	5	341.753	1	3	0	4	2	2	3	1	357.768
4	5	3	5	8	5	9	5	482.673	1	3	0	4	3	1	4	0	488.608
4	5	3	5	9	5	10	5	620.969	1	4	0	4	2	4	3	4	348.904
5	5	3	5	7	5	9	5	329.572	1	4	0	4	3	4	4	4	462.885
5	5	4	5	6	5	7	5	208.291	1	4	0	4	4	4	5	4	636.3
5	5	4	5	7	5	8	5	264.746	0	2	0	3	0	1	0	0	289.018
5	5	4	5	8	5	9	5	402.913	1	2	0	3	2	1	3	0	332.199
5	5	4	5	9	5	10	5	545.851	1	3	0	3	2	3	3	3	275.949
6	5	4	5	8	5	10	5	404.278	1	3	0	3	3	3	4	3	402.617
6	5	5	5	7	5	8	5	218.65	1	3	0	3	4	3	5	3	574.238
6	5	5	5	8	5	9	5	345.092	1	2	0	2	2	2	3	2	263.963
6	5	5	5	9	5	10	5	483.987	1	2	0	2	3	2	4	2	398.035
7	5	6	5	8	5	9	5	214.729	1	2	0	2	4	2	5	2	521.028
7	5	6	5	9	5	10	5	320.055	1	3	0	2	2	4	3	5	382.995
8	5	7	5	9	5	10	5	301.059	1	1	0	1	2	1	3	1	286.159
0	4	0	5	0	3	0	2	119.304	1	1	0	1	3	1	4	1	414.746
0	4	0	5	0	2	0	1	127.505	1	1	0	1	4	1	5	1	600.884
0	4	0	5	0	1	0	0	106.076	1	2	0	1	2	3	3	4	385.145
1	4	0	5	2	3	3	2	198.262	1	2	0	1	3	4	4	5	538.893
1	4	0	5	3	2	4	1	275.723	1	0	0	0	2	0	3	0	334.617
1	4	0	5	4	1	5	0	404.825	1	0	0	0	3	0	4	0	384.887
1	5	0	5	2	5	3	5	172.91	1	0	0	0	4	0	5	0	613.145
1	5	0	5	3	5	4	5	303.041	1	1	0	0	2	2	3	3	350.372
1	5	0	5	4	5	5	5	347.765	1	1	0	0	3	3	4	4	623.495
0	3	0	4	0	2	0	1	140.628	1	1	0	0	4	4	5	5	660.93
0	3	0	4	0	1	0	0	134.535	1	4	1	5	1	3	1	2	237.944
1	3	0	4	2	2	3	1	200.989	1	4	1	5	1	2	1	1	379.388
1	3	0	4	3	1	4	0	282.818	1	4	1	5	1	1	1	0	513.415
1	4	0	4	2	4	3	4	168.534	2	4	1	5	3	3	4	2	405.628
1	4	0	4	3	4	4	4	254.428	2	4	1	5	4	2	5	1	518.178
1	4	0	4	4	4	5	4	330.138	2	5	1	5	3	5	4	5	389.256
0	2	0	3	0	1	0	0	124.934	2	5	1	5	4	5	5	5	558.422
1	2	0	3	2	1	3	0	247.738	1	3	1	4	1	2	1	1	201.325
1	3	0	3	2	3	3	3	167.893	1	3	1	4	1	1	1	0	342.394
1	3	0	3	3	3	4	3	221.903	2	3	1	4	3	2	4	1	357.176
1	3	0	3	4	3	5	3	336.423	2	3	1	4	4	1	5	0	497.325
1	2	0	2	2	2	3	2	194.169	2	4	1	4	3	4	4	4	369.401
1	2	0	2	3	2	4	2	246.658	2	4	1	4	4	4	5	4	574.372

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
1	2	0	2	4	2	5	2	327.387	1	2	1	3	1	1	1	0	225.808
1	3	0	2	2	4	3	5	211.326	2	2	1	3	3	1	4	0	310.094
1	1	0	1	2	1	3	1	244.326	2	3	1	3	3	3	4	3	303.323
1	1	0	1	3	1	4	1	339.475	2	3	1	3	4	3	5	3	477.403
1	1	0	1	4	1	5	1	441.428	2	2	1	2	3	2	4	2	263.052
1	2	0	1	2	3	3	4	218.169	2	2	1	2	4	2	5	2	386.681
1	2	0	1	3	4	4	5	301.848	2	3	1	2	3	4	4	5	369.497
1	0	0	0	2	0	3	0	256.533	2	1	1	1	3	1	4	1	265.02
1	0	0	0	3	0	4	0	385.318	2	1	1	1	4	1	5	1	434.3
1	0	0	0	4	0	5	0	495.265	2	2	1	1	3	3	4	4	372.939
1	1	0	0	2	2	3	3	276.363	2	2	1	1	4	4	5	5	432.535
1	1	0	0	3	3	4	4	310.118	2	0	1	0	3	0	4	0	247.116
1	1	0	0	4	4	5	5	421.745	2	0	1	0	4	0	5	0	450.843
1	4	1	5	1	3	1	2	169.112	2	1	1	0	3	2	4	3	336.07
1	4	1	5	1	2	1	1	193.382	2	1	1	0	4	3	5	4	546.458
1	4	1	5	1	1	1	0	216.617	2	4	2	5	2	3	2	2	319.517
2	4	1	5	3	3	4	2	238.001	2	4	2	5	2	2	2	1	401.597
2	4	1	5	4	2	5	1	427.996	2	4	2	5	2	1	2	0	529.718
2	5	1	5	3	5	4	5	261.486	3	4	2	5	4	3	5	2	564.12
2	5	1	5	4	5	5	5	335.259	3	5	2	5	4	5	5	5	532.725
1	3	1	4	1	2	1	1	176.706	2	3	2	4	2	2	2	1	270.522
1	3	1	4	1	1	1	0	225.328	2	3	2	4	2	1	2	0	396.727
2	3	1	4	3	2	4	1	273.369	3	3	2	4	4	2	5	1	497.474
2	3	1	4	4	1	5	0	453.803	3	4	2	4	4	4	5	4	564.952
2	4	1	4	3	4	4	4	242.04	2	2	2	3	2	1	2	0	251.154
2	4	1	4	4	4	5	4	318.313	3	2	2	3	4	1	5	0	412.932
1	2	1	3	1	1	1	0	221.553	3	3	2	3	4	3	5	3	519.201
2	2	1	3	3	1	4	0	317.884	3	2	2	2	4	2	5	2	370.984
2	3	1	3	3	3	4	3	222.65	3	3	2	2	4	4	5	5	490.094
2	3	1	3	4	3	5	3	363.352	3	1	2	1	4	1	5	1	310.736
2	2	1	2	3	2	4	2	260.923	3	2	2	1	4	3	5	4	486.746
2	2	1	2	4	2	5	2	361.123	3	0	2	0	4	0	5	0	280.99
2	3	1	2	3	4	4	5	268.398	3	1	2	0	4	2	5	3	341.077
2	1	1	1	3	1	4	1	292.153	3	4	3	5	3	3	3	2	399.551
2	1	1	1	4	1	5	1	414.218	3	4	3	5	3	2	3	1	477.635
2	2	1	1	3	3	4	4	275.685	3	4	3	5	3	1	3	0	458.973
2	2	1	1	4	4	5	5	422.985	3	3	3	4	3	2	3	1	397.542
2	0	1	0	3	0	4	0	299.714	3	3	3	4	3	1	3	0	425.14
2	0	1	0	4	0	5	0	419.641	3	2	3	3	3	1	3	0	262.225
2	1	1	0	3	2	4	3	301.668	4	4	4	5	4	3	4	2	386.336
2	1	1	0	4	3	5	4	394.125	4	4	4	5	4	2	4	1	486.466
2	4	2	5	2	3	2	2	199.584	4	4	4	5	4	1	4	0	513.735
2	4	2	5	2	2	2	1	261.753	4	3	4	4	4	2	4	1	431.302
2	4	2	5	2	1	2	0	307.962	4	3	4	4	4	1	4	0	534.492
3	4	2	5	4	3	5	2	257.925	4	2	4	3	4	1	4	0	295.751
3	5	2	5	4	5	5	5	208.258	5	4	5	5	5	3	5	2	406.49
2	3	2	4	2	2	2	1	222.524	5	4	5	5	5	2	5	1	504.74
2	3	2	4	2	1	2	0	291.464	5	4	5	5	5	1	5	0	696.75
3	3	2	4	4	2	5	1	300.427	5	3	5	4	5	2	5	1	382.407
3	4	2	4	4	4	5	4	209.7	5	3	5	4	5	1	5	0	661.404
2	2	2	3	2	1	2	0	271.212	5	2	5	3	5	1	5	0	361.906
3	2	2	3	4	1	5	0	346.863	6	4	6	5	6	3	6	2	243.001
3	3	2	3	4	3	5	3	207.894	6	4	6	5	6	2	6	1	318.413
3	2	2	2	4	2	5	2	237.095	6	4	6	5	6	1	6	0	414.221
3	3	2	2	4	4	5	5	260.728	7	4	6	5	8	3	9	2	384.797

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
3	1	2	1	4	1	5	1	308.798	7	4	6	5	9	2	10	1	541.413
3	2	2	1	4	3	5	4	286.99	7	5	6	5	8	5	9	5	410.324
3	0	2	0	4	0	5	0	312.622	7	5	6	5	9	5	10	5	586.757
3	1	2	0	4	2	5	3	302.553	6	3	6	4	6	2	6	1	244.31
3	4	3	5	3	3	3	2	179.511	6	3	6	4	6	1	6	0	354.286
3	4	3	5	3	2	3	1	310.625	7	3	6	4	8	2	9	1	357.672
3	4	3	5	3	1	3	0	385.57	7	3	6	4	9	1	10	0	488.468
3	3	3	4	3	2	3	1	209.203	7	4	6	4	8	4	9	4	349.061
3	3	3	4	3	1	3	0	305.738	7	4	6	4	9	4	10	4	462.791
3	2	3	3	3	1	3	0	258.408	6	2	6	3	6	1	6	0	289.24
4	4	4	5	4	3	4	2	176.114	7	2	6	3	8	1	9	0	332.153
4	4	4	5	4	2	4	1	313.199	7	3	6	3	8	3	9	3	276.157
4	4	4	5	4	1	4	0	427.849	7	3	6	3	9	3	10	3	402.848
4	3	4	4	4	2	4	1	221.693	7	2	6	2	8	2	9	2	263.915
4	3	4	4	4	1	4	0	342.919	7	2	6	2	9	2	10	2	398.13
4	2	4	3	4	1	4	0	252.581	7	3	6	2	8	4	9	5	383.088
5	4	5	5	5	3	5	2	218.497	7	1	6	1	8	1	9	1	286.22
5	4	5	5	5	2	5	1	345.067	7	1	6	1	9	1	10	1	414.721
5	4	5	5	5	1	5	0	484.318	7	2	6	1	8	3	9	4	385.166
5	3	5	4	5	2	5	1	214.737	7	2	6	1	9	4	10	5	538.856
5	3	5	4	5	1	5	0	320.358	7	0	6	0	8	0	9	0	334.561
5	2	5	3	5	1	5	0	301.055	7	0	6	0	9	0	10	0	384.887
6	4	6	5	6	3	6	2	119.295	7	1	6	0	8	2	9	3	350.353
6	4	6	5	6	2	6	1	127.477	7	1	6	0	9	3	10	4	623.58
6	4	6	5	6	1	6	0	106.107	7	4	7	5	7	3	7	2	238.019
7	4	6	5	8	3	9	2	198.253	7	4	7	5	7	2	7	1	378.958
7	4	6	5	9	2	10	1	275.922	7	4	7	5	7	1	7	0	514.405
7	5	6	5	8	5	9	5	172.926	8	4	7	5	9	3	10	2	405.658
7	5	6	5	9	5	10	5	303.04	8	5	7	5	9	5	10	5	389.337
6	3	6	4	6	2	6	1	140.56	7	3	7	4	7	2	7	1	201.362
6	3	6	4	6	1	6	0	134.637	7	3	7	4	7	1	7	0	342.394
7	3	6	4	8	2	9	1	200.926	8	3	7	4	9	2	10	1	357.377
7	3	6	4	9	1	10	0	282.76	8	4	7	4	9	4	10	4	369.365
7	4	6	4	8	4	9	4	168.603	7	2	7	3	7	1	7	0	225.837
7	4	6	4	9	4	10	4	254.446	8	2	7	3	9	1	10	0	310.13
6	2	6	3	6	1	6	0	124.935	8	3	7	3	9	3	10	3	303.506
7	2	6	3	8	1	9	0	247.69	8	2	7	2	9	2	10	2	263.005
7	3	6	3	8	3	9	3	167.85	8	3	7	2	9	4	10	5	369.611
7	3	6	3	9	3	10	3	221.913	8	1	7	1	9	1	10	1	265.014
7	2	6	2	8	2	9	2	194.082	8	2	7	1	9	3	10	4	372.997
7	2	6	2	9	2	10	2	246.674	8	0	7	0	9	0	10	0	247.11
7	3	6	2	8	4	9	5	211.314	8	1	7	0	9	2	10	3	336.139
7	1	6	1	8	1	9	1	244.372	8	4	8	5	8	3	8	2	319.71
7	1	6	1	9	1	10	1	339.423	8	4	8	5	8	2	8	1	401.72
7	2	6	1	8	3	9	4	218.122	8	4	8	5	8	1	8	0	530.502
7	2	6	1	9	4	10	5	301.804	8	3	8	4	8	2	8	1	270.392
7	0	6	0	8	0	9	0	256.545	8	3	8	4	8	1	8	0	397.085
7	0	6	0	9	0	10	0	385.283	8	2	8	3	8	1	8	0	251.109
7	1	6	0	8	2	9	3	276.316	9	4	9	5	9	3	9	2	399.444
7	1	6	0	9	3	10	4	310.123	9	4	9	5	9	2	9	1	477.616
7	4	7	5	7	3	7	2	169.158	9	4	9	5	9	1	9	0	459.163
7	4	7	5	7	2	7	1	193.177	9	3	9	4	9	2	9	1	397.666
7	4	7	5	7	1	7	0	216.748	9	3	9	4	9	1	9	0	424.822
8	4	7	5	9	3	10	2	238.051	9	2	9	3	9	1	9	0	262.14
8	5	7	5	9	5	10	5	261.453	10	4	10	5	10	3	10	2	386.472

C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res	C1X	C1Y	C2X	C2Y	P1X	P1Y	P2X	P2Y	Res
7	3	7	4	7	2	7	1	176.64	10	4	10	5	10	2	10	1	486.581
7	3	7	4	7	1	7	0	225.413	10	4	10	5	10	1	10	0	514.109
8	3	7	4	9	2	10	1	273.388	10	3	10	4	10	2	10	1	431.489
8	4	7	4	9	4	10	4	241.995	10	3	10	4	10	1	10	0	534.263
7	2	7	3	7	1	7	0	221.595	10	2	10	3	10	1	10	0	295.712
8	2	7	3	9	1	10	0	318.111	1	0	0	0	2	0	3	0	193.896
8	3	7	3	9	3	10	3	222.621	1	0	0	0	3	0	4	0	263.813
8	2	7	2	9	2	10	2	260.955	1	0	0	0	4	0	5	0	251.289
8	3	7	2	9	4	10	5	268.383	1	0	0	0	5	0	6	0	224.795
8	1	7	1	9	1	10	1	292.056	1	0	0	0	6	0	7	0	255.163
8	2	7	1	9	3	10	4	275.631	1	0	0	0	7	0	8	0	271.12
8	0	7	0	9	0	10	0	299.594	2	0	0	0	4	0	6	0	238.323
8	1	7	0	9	2	10	3	301.617	2	0	0	0	6	0	8	0	254.283
8	4	8	5	8	3	8	2	199.623	2	0	0	0	8	0	10	0	293.526
8	4	8	5	8	2	8	1	261.317	1	1	0	0	2	2	3	3	484.351
8	4	8	5	8	1	8	0	307.946	1	1	0	0	3	3	4	4	564.757
8	3	8	4	8	2	8	1	222.318	1	1	0	0	4	4	5	5	589.029
8	3	8	4	8	1	8	0	291.28	0	1	0	0	0	2	0	3	263.426
8	2	8	3	8	1	8	0	271.108	0	1	0	0	0	3	0	4	386.778
9	4	9	5	9	3	9	2	179.415	0	1	0	0	0	4	0	5	502.433
9	4	9	5	9	2	9	1	308.462	2	0	1	0	3	0	4	0	229.171
9	4	9	5	9	1	9	0	389.837	2	0	1	0	4	0	5	0	244.711
9	3	9	4	9	2	9	1	208.953	2	0	1	0	5	0	6	0	219.213
9	3	9	4	9	1	9	0	306.565	2	0	1	0	6	0	7	0	247.634
9	2	9	3	9	1	9	0	258.582	2	0	1	0	7	0	8	0	262.139
10	4	10	5	10	3	10	2	176.138	2	0	1	0	8	0	9	0	287.936
10	4	10	5	10	2	10	1	313.169	3	0	1	0	5	0	7	0	209.837
10	4	10	5	10	1	10	0	428.072	3	0	1	0	7	0	9	0	266.044
10	3	10	4	10	2	10	1	221.646	2	1	1	0	3	2	4	3	493.345
10	3	10	4	10	1	10	0	343.017	2	1	1	0	4	3	5	4	585.989
10	2	10	3	10	1	10	0	252.351	2	1	1	0	5	4	6	5	599.419

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