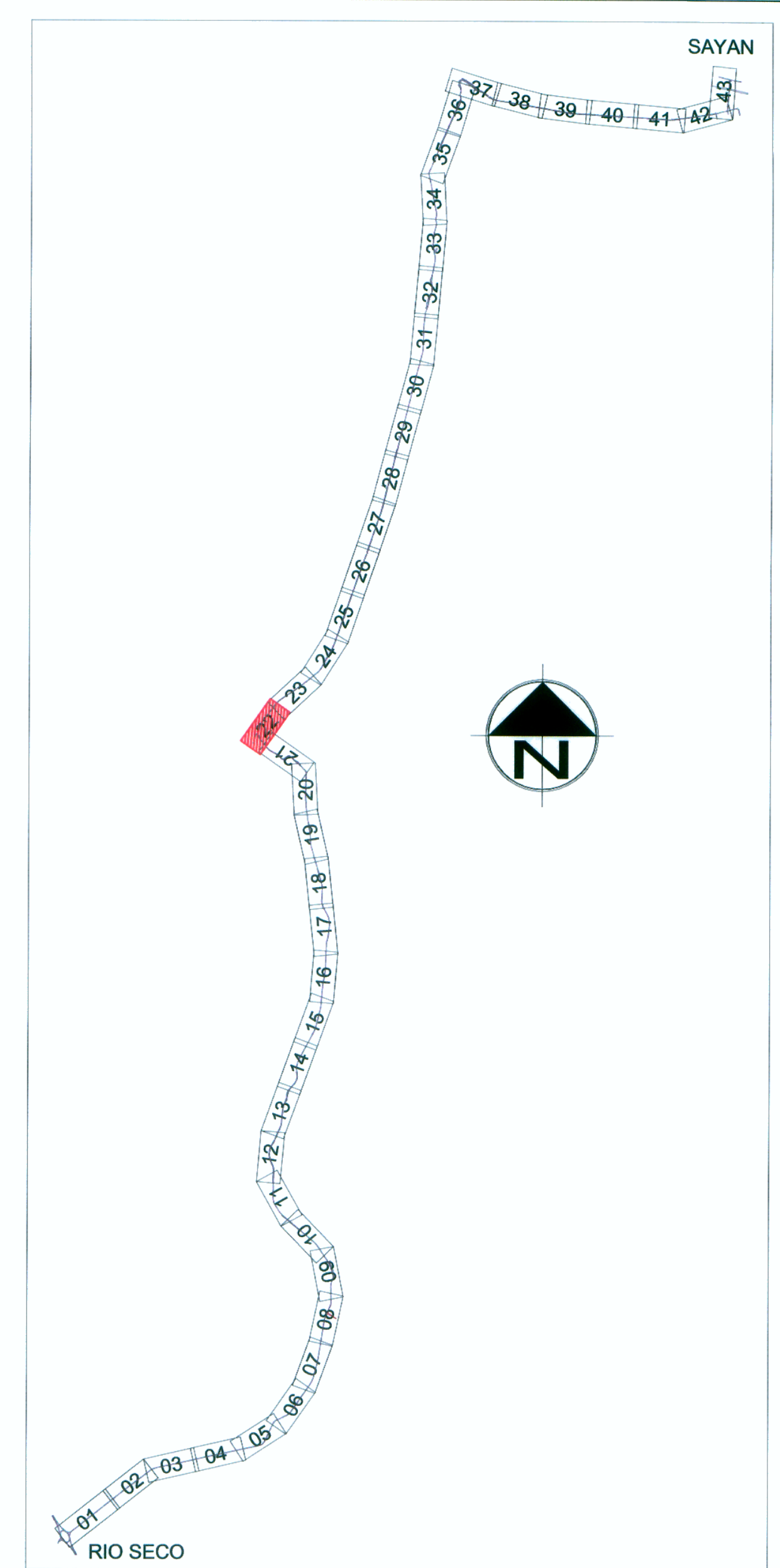


CUADRO DE COORDENADAS Y ELEMENTOS DE CURVA

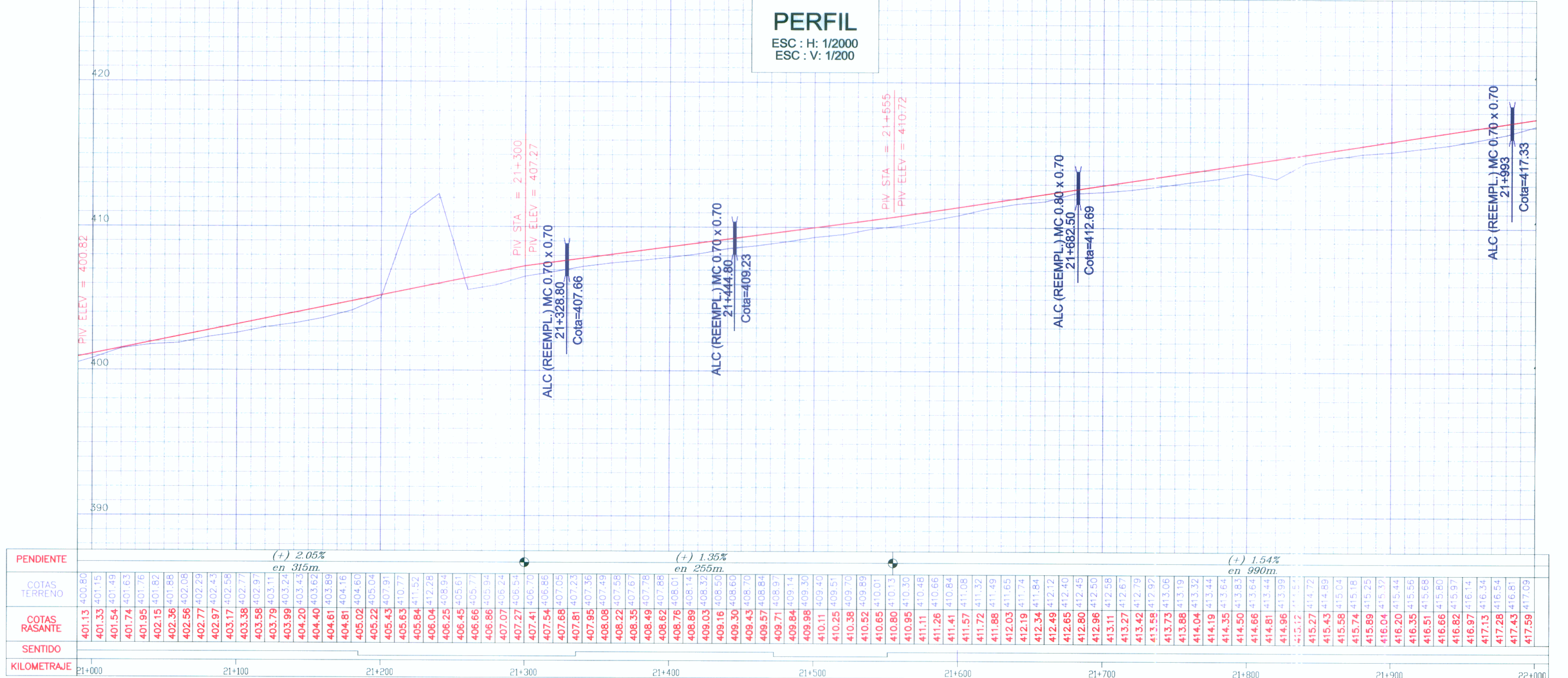
No.	PI	ANGULO	S	RADIO	PI	PC	PT	T	LC	EXT.	NORTE	ESTE	P%	S.A
49		54° 00' 10.01"	D	160.00	21+266.24	21+184.72	21+335.52	81.53	150.80	19.57	8,753,845.815	245,037.395	6.50	0.80
50		22° 32' 52.43"	D	200.00	21+512.50	21+472.63	21+551.34	39.87	78.71	3.94	8,754,095.720	245,103.527	6.00	0.60
POT											8,754,315.280	245,271.213		



BM-21 399.744
20+940
Der. A 17.00 m.

BM-21.5 409.544
21+514
Der. A 9.00 m.

BM-22 417.206
21+995
Der. A 6.00 m.



PENDIENTE	(+) 2.05% en 315m	(+) 1.35% en 255m	(+) 1.54% en 990m
COTAS TERRENO	401.13 403.86 401.33 407.15 401.54 407.48 401.74 407.63 401.95 407.76 402.15 407.82 402.36 407.88 402.56 407.94 402.77 407.99 402.97 408.04 403.17 408.09 403.38 408.14 403.58 408.19 403.79 408.24 404.00 408.29 404.20 408.34 404.41 408.39 404.61 408.44 404.81 408.49 405.02 408.54 405.22 408.59 405.43 408.64 405.63 408.69 405.84 408.74 406.04 408.79 406.25 408.84 406.45 408.89 406.66 408.94 406.86 408.99 407.07 409.04 407.27 409.09 407.48 409.14 407.68 409.19 407.88 409.24 408.09 409.29 408.29 409.34 408.50 409.39 408.70 409.44 408.91 409.49 409.11 409.54 409.32 409.59 409.52 409.64 409.73 409.69 409.93 409.74 410.14 409.79 410.34 409.84 410.55 409.89 410.75 409.94 410.96 409.99 411.16 410.04 411.37 410.09 411.57 410.14 411.78 410.19 411.98 410.24 412.19 410.29 412.39 410.34 412.60 410.39 412.80 410.44 413.01 410.49 413.21 410.54 413.42 410.59 413.62 410.64 413.83 410.69 414.04 410.74 414.24 410.79 414.45 410.84 414.65 410.89 414.86 410.94 415.06 410.99 415.27 411.04 415.47 411.09 415.68 411.14 415.88 411.19 416.09 411.24 416.29 411.29 416.50 411.34 416.70 411.39 416.91 411.44 417.11 411.49 417.32 411.54 417.52 411.59 417.73 411.64 417.93 411.69 418.14 411.74 418.34 411.79 418.55 411.84 418.75 411.89 418.96 411.94 419.16 411.99 419.37 412.04 419.57 412.09 419.78 412.14 419.98 412.19 420.19 412.24 420.39 412.29 420.60 412.34 420.80 412.39 421.01 412.44 421.21 412.49 421.42 412.54 421.62 412.59 421.83 412.64 422.03 412.69 422.24 412.74 422.44 412.79 422.65 412.84 422.85 412.89 423.06 412.94 423.26 412.99 423.47 413.04 423.67 413.09 423.88 413.14 424.08 413.19 424.29 413.24 424.49 413.29 424.70 413.34 424.90 413.39 425.11 413.44 425.31 413.49 425.52 413.54 425.72 413.59 425.93 413.64 426.13 413.69 426.34 413.74 426.54 413.79 426.75 413.84 426.95 413.89 427.16 413.94 427.36 413.99 427.57 414.04 427.77 414.09 427.98 414.14 428.18 414.19 428.39 414.24 428.59 414.29 428.80 414.34 429.00 414.39 429.21 414.44 429.41 414.49 429.62 414.54 429.82 414.59 430.03 414.64 430.23 414.69 430.44 414.74 430.64 414.79 430.85 414.84 431.05 414.89 431.26 414.94 431.46 414.99 431.67 415.04 431.87 415.09 432.08 415.14 432.28 415.19 432.49 415.24 432.69 415.29 432.90 415.34 433.10 415.39 433.31 415.44 433.51 415.49 433.72 415.54 433.92 415.59 434.13 415.64 434.33 415.69 434.54 415.74 434.74 415.79 434.95 415.84 435.15 415.89 435.36 415.94 435.56 415.99 435.77 416.04 435.97 416.09 436.18 416.14 436.38 416.19 436.59 416.24 436.79 416.29 437.00 416.34 437.20 416.39 437.41 416.44 437.61 416.49 437.82 416.54 438.02 416.59 438.23 416.64 438.43 416.69 438.64 416.74 438.84 416.79 439.05 416.84 439.25 416.89 439.46 416.94 439.66 416.99 439.87 417.04 440.07 417.09 440.28 417.14 440.48 417.19 440.69 417.24 440.89 417.29 441.10 417.34 441.30 417.39 441.51 417.44 441.71 417.49 441.92 417.54 442.12 417.59 442.33 417.64 442.53 417.69 442.74 417.74 442.94 417.79 443.15 417.84 443.35 417.89 443.56 417.94 443.76 417.99 443.97 418.04 444.17 418.09 444.38 418.14 444.58 418.19 444.79 418.24 444.99 418.29 445.20 418.34 445.40 418.39 445.61 418.44 445.81 418.49 446.02 418.54 446.22 418.59 446.43 418.64 446.63 418.69 446.84 418.74 447.04 418.79 447.25 418.84 447.45 418.89 447.66 418.94 447.86 418.99 448.07 419.04 448.27 419.09 448.48 419.14 448.68 419.19 448.89 419.24 449.09 419.29 449.30 419.34 449.50 419.39 449.71 419.44 449.91 419.49 450.12 419.54 450.32 419.59 450.53 419.64 450.73 419.69 450.94 419.74 451.14 419.79 451.35 419.84 451.55 419.89 451.76 419.94 451.96 419.99 452.17 420.04 452.37 420.09 452.58 420.14 452.78 420.19 452.99 420.24 453.19 420.29 453.40 420.34 453.60 420.39 453.81 420.44 454.01 420.49 454.22 420.54 454.42 420.59 454.63 420.64 454.83 420.69 455.04 420.74 455.24 420.79 455.45 420.84 455.65 420.89 455.86 420.94 456.06 420.99 456.27 421.04 456.47 421.09 456.68 421.14 456.88 421.19 457.09 421.24 457.29 421.29 457.50 421.34 457.70 421.39 457.91 421.44 458.11 421.49 458.32 421.54 458.52 421.59 458.73 421.64 458.93 421.69 459.14 421.74 459.34 421.79 459.55 421.84 459.75 421.89 459.96 421.94 460.16 421.99 460.37 422.04 460.57 422.09 460.78 422.14 460.98 422.19 461.19 422.24 461.39 422.29 461.60 422.34 461.80 422.39 462.01 422.44 462.21 422.49 462.42 422.54 462.62 422.59 462.83 422.64 463.03 422.69 463.24 422.74 463.44 422.79 463.65 422.84 463.85 422.89 464.06 422.94 464.26 422.99 464.47 423.04 464.67 423.09 464.88 423.14 465.08 423.19 465.29 423.24 465.49 423.29 465.70 423.34 465.90 423.39 466.11 423.44 466.31 423.49 466.52 423.54 466.72 423.59 466.93 423.64 467.13 423.69 467.34 423.74 467.54 423.79 467.75 423.84 467.95 423.89 468.16 423.94 468.36 423.99 468.57 424.04 468.77 424.09 468.98 424.14 469.18 424.19 469.39 424.24 469.59 424.29 469.80 424.34 469.99 424.39 470.20 424.44 470.40 424.49 470.61 424.54 470.81 424.59 471.02 424.64 471.22 424.69 471.43 424.74 471.63 424.79 471.84 424.84 472.04 424.89 472.25 424.94 472.45 424.99 472.66 425.04 472.86 425.09 473.07 425.14 473.27 425.19 473.48 425.24 473.68 425.29 473.89 425.34 474.09 425.39 474.30 425.44 474.50 425.49 474.71 425.54 474.91 425.59 475.12 425.64 475.32 425.69 475.53 425.74 475.74 425.79 475.94 425.84 476.15 425.89 476.35 425.94 476.56 425.99 476.76 426.04 476.97 426.09 477.18 426.14 477.38 426.19 477.59 426.24 477.79 426.29 478.00 426.34 478.20 426.39 478.41 426.44 478.61 426.49 478.82 426.54 479.02 426.59 479.23 426.64 479.43 426.69 479.64 426.74 479.84 426.79 480.05 426.84 480.25 426.89 480.46 426.94 480.66 426.99 480.87 427.04 481.07 427.09 481.28 427.14 481.48 427.19 481.69 427.24 481.89 427.29 482.10 427.34 482.30 427.39 482.51 427.44 482.71 427.49 482.92 427.54 483.12 427.59 483.33 427.64 483.53 427.69 483.74 427.74 483.94 427.79 484.15 427.84 484.35 427.89 484.56 427.94 484.76 427.99 484.97 428.04 485.17 428.09 485.38 428.14 485.58 428.19 485.79 428.24 485.99 428.29 486.20 428.34 486.40 428.39 486.61 428.44 486.81 428.49 487.02 428.54 487.22 428.59 487.43 428.64 487.63 428.69 487.84 428.74 488.04 428.79 488.25 428.84 488.45 428.89 488.66 428.94 488.86 428.99 489.07 429.04 489.27 429.09 489.48 429.14 489.68 429.19 489.89 429.24 490.09 429.29 490.30 429.34 490.50 429.39 490.71 429.44 490.91 429.49 491.12 429.54 491.32 429.59 491.53 429.64 491.73 429.69 491.94 429.74 492.14 429.79 492.35 429.84 492.55 429.89 492.76 429.94 492.96 429.99 493.17 430.04 493.37 430.09 493.58 430.14 493.78 430.19 493.99 430.24 494.19 430.29 494.40 430.34 494.60 430.39 494.81 430.44 495.01 430.49 495.22 430.54 495.42 430.59 495.63 430.64 495.83 430.69 496.04 430.74 496.24 430.79 496.45 430.84 496.65 430.89 496.86 430.94 497.06 430.99 497.27 431.04 497.47 431.09 497.68 431.14 497.88 431.19 498.09 431.24 498.29 431.29 498.50 431.34 498.70 431.39 498.91 431.44 499.11 431.49 499.32 431.54 499.52 431.59 499.73 431.64 499.93 431.69 500.14 431.74 500.34 431.79 500.55 431.84 500.75 431.89 500.96 431.94 501.16 431.99 501.37 432.04 501.57 432.09 501.78 432.14 501.98 432.19 502.19 432.24 502.39 432.29 502.60 432.34 502.80 432.39 503.01 432.44 503.21 432.49 503.42 432.54 503.62 432.59 503.83 432.64 504.03 432.69 504.24 432.74 504.44 432.79 504.65 432.84 504.85 432.89 505.06 432.94 505.26 432.99 505.47 433.04 505.67 433.09 505.88 433.14 506.08 433.19 506.29 433.24 506.49 433.29 506.70 433.34 506.90 433.39 507.11 433.44 507.31 433.49 507.52 433.54 507.72 433.59 507.93 433.64 508.13 433.69 508.34 433.74 508.54 433.79 508.75 433.84 508.95 433.89 509.16 433.94 509.36 433.99 509.57 434.04 509.77 434.09 509.98 434.14 510.18 434.19 510.39 434.24 510.59 434.29 510.80 434.34 511.00 434.39 511.21 434.44 511.41 434.49 511.62 434.54 511.82 434.59 512.03 434.64 512.23 434.69 512.44 434.74 512.64 434.79 512.85 434.84 513.05 434.89 513.26 434.94 513.46 434.99 513.67 435.04 513.87 435.09 514.08 435.14 514.28 435.19 514.49 435.24 514.69 435.29 514.90 435.34 515.10 435.39 515.31 435.44 515.51 435.49 515.72 435.54 515.92 435.59 516.13 435.64 516.33 435.69 516.54 435.74 516.74 435.79 516.95 435.84 517.15 435.89 517.36 435.94 517.56 435.99 517.77 436.04 517.97 436.09 518.18 436.14 518.38 436.19 518.59 436.24 518.79 436.29 519.00 436.34 519.20 436.39 519.41 436.44 519.61 436.49 519.82 436.54 520.02 436.59 520.23 436.64 520.43 436.69 520.64 436.74 520.84 436.79 521.05 436.84 521.25 436.89 521.46 436.94 521.66 436.99 521.87 437.04 522.07 437.09 522.28 437.14 522.48 437.19 522.69 437.24 522.89 437.29 523.10 437.34 523.30 437.39 523.51 437.44 523.71 437.49 523.92 437.54 524.12 437.59 524.33 437.64 524.53 437.69 524.74 437.74 524.94 437.79 525.15 437.84 525.35 437.89 525.56 437.94 525.76 437.99 525.97 438.04 526.17 438.09 526.38 438.14 526.58 438.19 526.79 438.24 526.99 438.29 527.20 438.34 527.40 438.39 527.61 438.44 527.81 438.49 528.02 438.54 528.22 438.59 528.43 438.64 528.63 438.69 528.84 438.74 529.04 438.79 529.25 438.84 529.45 438.89 529.66 438.94 529.86 438.99 530.07 439.04 530.27 439.09 530.48 439.14 530.68 439.19 530.89 439.24 531.09 439.29 531.30 439.34 531.50 439.39 531.71 439.44 531.91 439.49 532.12 439.54 532.32 439.59 532.53 439.64 532.73 439.69 532.94 439.74 533.14 439.79 533.35 439.84 533.55 439.89 533.76 439.94 533.96 439.99 534.17 440.04 534.37 440.09 534.58 440.14 534.78 440.19 534.99 440.24 535.19 440.29 535.40 440.34 535.60 440.39 535.81 440.44 536.01 440.49 536.22 440.54 536.42 440.59 536.63 440.64 536.83 440.69 537.04 440.74 537.24 440.79 537.45 440.84 537.65 440.89 537.86 440.94 538.06 440.99 538.27 441.04 538.47 441.09 538.68 441.14 538.88 441.19 539.09 441.24 539.29 441.29 539.50 441.34 539.70 441.39 539.91 441.44 540.11 441.49 540.32 441.54 540.52 441.59 540.73 441.64 540.93 441.69 541.14 441.74 541.34 441.79 541.55 441.84 541.75 441.89 541.96 441.94 542.16 441.99 542.37 442.04 542.57 442.09 542.78 442.14 542.98 442.19 543.19 442.24 543.39 442.29 543.60 442.34 543.80 442.39 544.01 442.44 544.21 442.49 544.42 442.54 544.62 442.59 544.83 442.64 545.03 442.69 545.24 442.74 545.44 442.79 545.65 442.84 545.85 442.89 546.06 442.94 546.26 442.99 546.47 443.04 546.67 443.09 546.88 443.14 547.08 443.19 547.29 443.24 547.49 443.29 547.70 443.34 547.90 443.39 548.11 443.44 548.31 443.49 548.52 443.54 548.72 443.59 548.93 443.64 549.13 443.69 549.34 443.74 549.54 443.79 549.75 443.84 549.95 443.89 550.16 443.94 550.36 443.99 550.57 444.04 550.77 444.09 550.98 444.14 551.18 444.19 551.39 444.24 551.59 444.29 551.80 444.34 552.00 444.39 552.21 444.44 5		