

Journal of Mathematics

Department of Mathematics New York University

Journal of Mathematics
New York University
Department of Mathematics
New York University
Volume 1, Number 1
1997

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JUDITH NEWS

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ATHLETICS

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Center in planning a mathematics field day in the Fall. Representatives of the field day hope to have 100 high ability students from 10 schools and 10 teachers from the campus. The special presentations are currently being finalized with the assistance of the supervisors.

Information on the activities of the field day can be obtained by calling 970-888-1111.

STUDENT CLUBS

Fredric Zeigler, President of the MAA Chapter at the University of South Florida, has been elected to the position of President of the Florida State MAA Chapter. He will be serving in this capacity for the next year. Fredric is a member of the MAA Chapter at the University of South Florida and has been active in the chapter for several years. He has been a member of the MAA Chapter at the University of South Florida since 1988. Fredric is also a member of the MAA Chapter at the University of South Florida and has been active in the chapter for several years. He has been a member of the MAA Chapter at the University of South Florida since 1988.

AWARDS

The last time we heard from Budzba (Ph.D. 1988) reports that he has been promoted to Associate Professor at the University of Illinois.



Dr. Marcus, with I. Ruzsa, January 1997. He is the author of the book "The Probabilistic Method" published by Cambridge University Press.

Dr. Marcus, with I. Ruzsa, January 1997. He is the author of the book "The Probabilistic Method" published by Cambridge University Press.

(1980) reports that he has been at the University of South Florida for 10 years. He is currently in the Mathematics Department at the University of South Florida.

PROFILE
Into the Life of Marcus

What do you do?
 I am a mathematician at the University of South Florida.

What do you teach?
 I teach Probability and Combinatorics.

What is your worst subject?
 I don't know.

What is your favorite subject?
 I don't know.

What is your favorite book?
 I don't know.

What is your favorite movie?
 I don't know.

What is your favorite food?
 I don't know.

What is your favorite color?
 I don't know.

What is your favorite sport?
 I don't know.

What is your favorite hobby?
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What is your favorite hobby?
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What is your favorite animal?
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What is your favorite plant?
 I don't know.

What is your favorite flower?
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What is your favorite fruit?
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What is your favorite flower?
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What is your favorite fruit?
 I don't know.

DISCRETE REVISIONS

Much of the undergraduate program is covered by the MGF 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

PROBLEM

There is an error in the solution to the problem published in an earlier issue of the journal. The correct solution is as follows. You are given six coins, five of which are identical and one has a different weight. A scale without a digital readout is available for your use. In only three weighings...

Suppose the coins are of weight w while the bad coin is of weight $w + \epsilon$. Weigh I, II, III, IV, V together to get $3w - W$, where W is the weight of the bad coin. Weigh I, II, and V together to get $3w - W + \epsilon$. If $C = 3w - W$ and the bad coin is VI (if C is not $3/4$ of either A or B, then $C = 2w + W$, and we can see which of A or B is a multiple of w (suppose it was A) and so figure out which coin is bad (as A is a multiple of W , the bad coin is V or VI, and $C = 2w + W$, the bad coin must be V).

The second problem was incorrectly stated, so here it is again. A special card deck consists of $2^0 = 1$ card with 0 on one face and 2 on the other, $2^1 = 2$ cards with 1 on one face and 3 on the other, $2^2 = 4$ cards with 2 on one face and 4 on the other, $2^3 = 8$ cards with 3 on one face and 5 on the other, ... 2^{k-1} cards with $k-1$ on one face and k on the other.

A randomly-selected card is placed so that each face is visible to exactly one of two gamblers. Given only the number seen, they bet \$1 on the value of the number seen by their opponent. If there is a unique winner, he/she takes a \$1. How should a player bet? There are two cases: you know what k is, you don't know what k is.

CHAIRMAN'S COMMENTS

(Continued from Page 1)

Remarks by Professor Willa... (later) called... connection. You are correct... a whole picture... hydrogen, but it is not... suggest. In small stars like... hydrogen fuses to helium... sets to Carbon, helium... because the Sun's mass is... generate any more heat... further fusion. In... fusion continues until... the energy of... the atomic... fusion or fission... energy. When stars... implosion forming a... possibly black hole. The... neurons releases... neurons which... layers that are still... implosion. This... their layers but... supernova. Elements... said in the... astrophysicists are... try to follow the... occurring to... use 'magical'... scientific terminology.

Response by Professor Stark... is is why my... fusion composite...

Handwritten scribbles.

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Tampa, FL 33620-7000

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