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Web Programming Fundamentals

Problem Solving

A Cat, a Parrot, and a Bag of Seed:

1. Define the Problem
2. How does a man get a cat, parrot, and a bag of seed from one side of the river to the other side of the river in his boat? He can only take one at a time. The problem is the cat will eat the parrot and the parrot will eat the bag of seed, therefore he has to be careful not leave the wrong ones together by themselves.
3. One insight that I can offer is that you definitely have to think outside the box on this one to figure out how to get each object over to the other side safely.
4. The overall goal is to get all three items to the other side of the river.
5. Break the problem apart
6. Some of the constraints are that if the man takes the cat the parrot will eat the bag of seed. If he takes the seed the cat will eat the parrot.
7. The sub goals are to take the right item at the right time without leaving the wrong two items together.
8. Identify potential solutions
9. The solution that I have is that he can take the parrot over first because the cat will not eat the bag of seed.
10. Next he could take the cat over to the other side and pick the parrot back up and take it with him so that the cat doesn’t eat the parrot.
11. Next he will leave the parrot by itself and take the seed over with the cat.
12. Lastly he will go back and get the parrot and all three items will successfully be on the other side of the river.
13. Evaluate each potential solution.
14. The solution is the best possible solution in order to make sure that the cat doesn’t eat the parrot and the parrot doesn’t eat the see
15. This solution will work for the problem because it ensures that the wrong item isn’t left alone with the wrong thing.
16. Choose a solution and develop a plan to implement it
17. I chose this solution because taking the parrot over first ensures that the cat can’t eat the parrot and the parrot cant eat the seed. That is why he takes the cat second but takes the parrot back to the other side and leaves the parrot alone and takes the seed over with the cat and gets the bag of seed last.

Socks in the Dark:

1. Define the Problem
2. If there are 20 socks in a drawer of which 5 pair are black, 3 pair are brown, and 2 pair are white; How many socks do you need to select one matching pair, and one pair of each color.
3. You can’t see what socks you are picking until after you have made a selection.
4. The overall goal is to get at least one matching pair of the same color and also one matching pair for each color.
5. Break the problem apart
6. Constraints are that you cannot see the socks you are selecting until after all socks have been made.
7. Sub goals are to figure out what the minimum amount of socks will be needed in order to get one matching pair and a matching pair of each color.
8. Identify potential solutions
9. One solution would be to take out 2 socks, than 3 socks, than 4 socks until you get a matching pair or a matching pair for each color.
10. Evaluate each potential solution
11. This solution does meet the goals because after selecting each number of socks you will eventually get a matching pair.
12. This solution works for both 1 matching pair and matching pairs for each color.
13. Choose a solution and develop a plan to implement it
14. You have to pick the minimum of 4 socks in order to get at least 1 matching pair. You have to pick a minimum of 9 socks in order to get a matching pair for each color.
15. I tested this theory by using 5 pair of my own black socks, 3 pair of brown, and 2 pair of white. I mixed them all together and closed my eyes and picked 4 socks. I did this 10 different times. Each time I always had at least 1 matching pair. This works because there are only 3 colors and even if you pick a different color each time you will have at least 1 matching pair because the 4th sock will match one of the other 3. In order to get one of each color you would pull 4 socks which one pair will match. Now you only need to more colors. So you pull 3 socks and you will have another color, which will than leave one color left which will be 2 socks for a total of 9 socks.

Predicting Fingers

1. Define the problem
2. A little girl counts to ten on one hand, starting with her thumb ending on ten on her first finger going back and forth. What finger will she land on if she counts to 10, 100, and 1000.
3. I can offer some insight that since the little girl doesn’t start over from her thumb she land on a different finger every 5 numbers.
4. The overall goal is to figure out what finger she would land on when counting to 10, 100, and 1000.
5. Break the problem apart
6. The only constraints that I noticed was that you cannot count the same finger twice.
7. B. Sub-goals are to keep track of what finger you are on without messing up the count.
8. Identify potential solutions
9. One way to count without using the same finger twice and not messing up the count is to write down the count using letters for each finger.
10. Evaluate each potential solution
11. This solution will meet the goal because after writing down each finger it is easier to keep track of what number goes with each finger.
12. This solution will work easy for counting to 10 and 100. It could be a little more time consuming when counting to 1000
13. Choose a solution and develop a plan to implement it
14. So first I gave each finger a 2-letter code. TH – thumb, FF – first finger, MF – middle finger, RF- ring finger, and LF – little finger. Than I wrote the letters out across the top of a piece of paper and wrote the numbers under the letters just as the little girl counts and ended with FF as number 10. I proceeded to keep going to 100, which ended on RF and 1000 on FF.
15. I realized that it would take a really long time to get to 1000 using this method so I opened an excel spread sheet. Here I found that the letters repeated the sequence every 8 characters. So I copied the letters and pasted them until I got to 200. I realized that every 200 characters were exactly the same so I copied the 200 and pasted them until I got to 1000. Below is a copy of what I did in excel.

|  |  |
| --- | --- |
| 1 | TH |
| 2 | FF |
| 3 | MF |
| 4 | RF |
| 5 | LF |
| 6 | RF |
| 7 | MF |
| 8 | FF |
| 9 | TH |
| 10 | FF |
| 11 | MF |
| 12 | RF |
| 13 | LF |
| 14 | RF |
| 15 | MF |
| 16 | FF |
| 17 | TH |
| 18 | FF |
| 19 | MF |
| 20 | RF |
| 21 | LF |
| 22 | RF |
| 23 | MF |
| 24 | FF |
| 25 | TH |
| 26 | FF |
| 27 | MF |
| 28 | RF |
| 29 | LF |
| 30 | RF |
| 31 | MF |
| 32 | FF |
| 33 | TH |
| 34 | FF |
| 35 | MF |
| 36 | RF |
| 37 | LF |
| 38 | RF |
| 39 | MF |
| 40 | FF |
| 41 | TH |
| 42 | FF |
| 43 | MF |
| 44 | RF |
| 45 | LF |
| 46 | RF |
| 47 | MF |
| 48 | FF |
| 49 | TH |
| 50 | FF |
| 51 | MF |
| 52 | RF |
| 53 | LF |
| 54 | RF |
| 55 | MF |
| 56 | FF |
| 57 | TH |
| 58 | FF |
| 59 | MF |
| 60 | RF |
| 61 | LF |
| 62 | RF |
| 63 | MF |
| 64 | FF |
| 65 | TH |
| 66 | FF |
| 67 | MF |
| 68 | RF |
| 69 | LF |
| 70 | RF |
| 71 | MF |
| 72 | FF |
| 73 | TH |
| 74 | FF |
| 75 | MF |
| 76 | RF |
| 77 | LF |
| 78 | RF |
| 79 | MF |
| 80 | FF |
| 81 | TH |
| 82 | FF |
| 83 | MF |
| 84 | RF |
| 85 | LF |
| 86 | RF |
| 87 | MF |
| 88 | FF |
| 89 | TH |
| 90 | FF |
| 91 | MF |
| 92 | RF |
| 93 | LF |
| 94 | RF |
| 95 | MF |
| 96 | FF |
| 97 | TH |
| 98 | FF |
| 99 | MF |
| 100 | RF |
| 101 | LF |
| 102 | RF |
| 103 | MF |
| 104 | FF |
| 105 | TH |
| 106 | FF |
| 107 | MF |
| 108 | RF |
| 109 | LF |
| 110 | RF |
| 111 | MF |
| 112 | FF |
| 113 | TH |
| 114 | FF |
| 115 | MF |
| 116 | RF |
| 117 | LF |
| 118 | RF |
| 119 | MF |
| 120 | FF |
| 121 | TH |
| 122 | FF |
| 123 | MF |
| 124 | RF |
| 125 | LF |
| 126 | RF |
| 127 | MF |
| 128 | FF |
| 129 | TH |
| 130 | FF |
| 131 | MF |
| 132 | RF |
| 133 | LF |
| 134 | RF |
| 135 | MF |
| 136 | FF |
| 137 | TH |
| 138 | FF |
| 139 | MF |
| 140 | RF |
| 141 | LF |
| 142 | RF |
| 143 | MF |
| 144 | FF |
| 145 | TH |
| 146 | FF |
| 147 | MF |
| 148 | RF |
| 149 | LF |
| 150 | RF |
| 151 | MF |
| 152 | FF |
| 153 | TH |
| 154 | FF |
| 155 | MF |
| 156 | RF |
| 157 | LF |
| 158 | RF |
| 159 | MF |
| 160 | FF |
| 161 | TH |
| 162 | FF |
| 163 | MF |
| 164 | RF |
| 165 | LF |
| 166 | RF |
| 167 | MF |
| 168 | FF |
| 169 | TH |
| 170 | FF |
| 171 | MF |
| 172 | RF |
| 173 | LF |
| 174 | RF |
| 175 | MF |
| 176 | FF |
| 177 | TH |
| 178 | FF |
| 179 | MF |
| 180 | RF |
| 181 | LF |
| 182 | RF |
| 183 | MF |
| 184 | FF |
| 185 | TH |
| 186 | FF |
| 187 | MF |
| 188 | RF |
| 189 | LF |
| 190 | RF |
| 191 | MF |
| 192 | FF |
| 193 | TH |
| 194 | FF |
| 195 | MF |
| 196 | RF |
| 197 | LF |
| 198 | RF |
| 199 | MF |
| 200 | FF |
| 201 | TH |
| 202 | FF |
| 203 | MF |
| 204 | RF |
| 205 | LF |
| 206 | RF |
| 207 | MF |
| 208 | FF |
| 209 | TH |
| 210 | FF |
| 211 | MF |
| 212 | RF |
| 213 | LF |
| 214 | RF |
| 215 | MF |
| 216 | FF |
| 217 | TH |
| 218 | FF |
| 219 | MF |
| 220 | RF |
| 221 | LF |
| 222 | RF |
| 223 | MF |
| 224 | FF |
| 225 | TH |
| 226 | FF |
| 227 | MF |
| 228 | RF |
| 229 | LF |
| 230 | RF |
| 231 | MF |
| 232 | FF |
| 233 | TH |
| 234 | FF |
| 235 | MF |
| 236 | RF |
| 237 | LF |
| 238 | RF |
| 239 | MF |
| 240 | FF |
| 241 | TH |
| 242 | FF |
| 243 | MF |
| 244 | RF |
| 245 | LF |
| 246 | RF |
| 247 | MF |
| 248 | FF |
| 249 | TH |
| 250 | FF |
| 251 | MF |
| 252 | RF |
| 253 | LF |
| 254 | RF |
| 255 | MF |
| 256 | FF |
| 257 | TH |
| 258 | FF |
| 259 | MF |
| 260 | RF |
| 261 | LF |
| 262 | RF |
| 263 | MF |
| 264 | FF |
| 265 | TH |
| 266 | FF |
| 267 | MF |
| 268 | RF |
| 269 | LF |
| 270 | RF |
| 271 | MF |
| 272 | FF |
| 273 | TH |
| 274 | FF |
| 275 | MF |
| 276 | RF |
| 277 | LF |
| 278 | RF |
| 279 | MF |
| 280 | FF |
| 281 | TH |
| 282 | FF |
| 283 | MF |
| 284 | RF |
| 285 | LF |
| 286 | RF |
| 287 | MF |
| 288 | FF |
| 289 | TH |
| 290 | FF |
| 291 | MF |
| 292 | RF |
| 293 | LF |
| 294 | RF |
| 295 | MF |
| 296 | FF |
| 297 | TH |
| 298 | FF |
| 299 | MF |
| 300 | RF |
| 301 | LF |
| 302 | RF |
| 303 | MF |
| 304 | FF |
| 305 | TH |
| 306 | FF |
| 307 | MF |
| 308 | RF |
| 309 | LF |
| 310 | RF |
| 311 | MF |
| 312 | FF |
| 313 | TH |
| 314 | FF |
| 315 | MF |
| 316 | RF |
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| 318 | RF |
| 319 | MF |
| 320 | FF |
| 321 | TH |
| 322 | FF |
| 323 | MF |
| 324 | RF |
| 325 | LF |
| 326 | RF |
| 327 | MF |
| 328 | FF |
| 329 | TH |
| 330 | FF |
| 331 | MF |
| 332 | RF |
| 333 | LF |
| 334 | RF |
| 335 | MF |
| 336 | FF |
| 337 | TH |
| 338 | FF |
| 339 | MF |
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| 345 | TH |
| 346 | FF |
| 347 | MF |
| 348 | RF |
| 349 | LF |
| 350 | RF |
| 351 | MF |
| 352 | FF |
| 353 | TH |
| 354 | FF |
| 355 | MF |
| 356 | RF |
| 357 | LF |
| 358 | RF |
| 359 | MF |
| 360 | FF |
| 361 | TH |
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| 363 | MF |
| 364 | RF |
| 365 | LF |
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| 367 | MF |
| 368 | FF |
| 369 | TH |
| 370 | FF |
| 371 | MF |
| 372 | RF |
| 373 | LF |
| 374 | RF |
| 375 | MF |
| 376 | FF |
| 377 | TH |
| 378 | FF |
| 379 | MF |
| 380 | RF |
| 381 | LF |
| 382 | RF |
| 383 | MF |
| 384 | FF |
| 385 | TH |
| 386 | FF |
| 387 | MF |
| 388 | RF |
| 389 | LF |
| 390 | RF |
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| 392 | FF |
| 393 | TH |
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| 396 | RF |
| 397 | LF |
| 398 | RF |
| 399 | MF |
| 400 | FF |
| 401 | TH |
| 402 | FF |
| 403 | MF |
| 404 | RF |
| 405 | LF |
| 406 | RF |
| 407 | MF |
| 408 | FF |
| 409 | TH |
| 410 | FF |
| 411 | MF |
| 412 | RF |
| 413 | LF |
| 414 | RF |
| 415 | MF |
| 416 | FF |
| 417 | TH |
| 418 | FF |
| 419 | MF |
| 420 | RF |
| 421 | LF |
| 422 | RF |
| 423 | MF |
| 424 | FF |
| 425 | TH |
| 426 | FF |
| 427 | MF |
| 428 | RF |
| 429 | LF |
| 430 | RF |
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| 438 | RF |
| 439 | MF |
| 440 | FF |
| 441 | TH |
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| 443 | MF |
| 444 | RF |
| 445 | LF |
| 446 | RF |
| 447 | MF |
| 448 | FF |
| 449 | TH |
| 450 | FF |
| 451 | MF |
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| 453 | LF |
| 454 | RF |
| 455 | MF |
| 456 | FF |
| 457 | TH |
| 458 | FF |
| 459 | MF |
| 460 | RF |
| 461 | LF |
| 462 | RF |
| 463 | MF |
| 464 | FF |
| 465 | TH |
| 466 | FF |
| 467 | MF |
| 468 | RF |
| 469 | LF |
| 470 | RF |
| 471 | MF |
| 472 | FF |
| 473 | TH |
| 474 | FF |
| 475 | MF |
| 476 | RF |
| 477 | LF |
| 478 | RF |
| 479 | MF |
| 480 | FF |
| 481 | TH |
| 482 | FF |
| 483 | MF |
| 484 | RF |
| 485 | LF |
| 486 | RF |
| 487 | MF |
| 488 | FF |
| 489 | TH |
| 490 | FF |
| 491 | MF |
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| 493 | LF |
| 494 | RF |
| 495 | MF |
| 496 | FF |
| 497 | TH |
| 498 | FF |
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| 504 | FF |
| 505 | TH |
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| 507 | MF |
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| 510 | RF |
| 511 | MF |
| 512 | FF |
| 513 | TH |
| 514 | FF |
| 515 | MF |
| 516 | RF |
| 517 | LF |
| 518 | RF |
| 519 | MF |
| 520 | FF |
| 521 | TH |
| 522 | FF |
| 523 | MF |
| 524 | RF |
| 525 | LF |
| 526 | RF |
| 527 | MF |
| 528 | FF |
| 529 | TH |
| 530 | FF |
| 531 | MF |
| 532 | RF |
| 533 | LF |
| 534 | RF |
| 535 | MF |
| 536 | FF |
| 537 | TH |
| 538 | FF |
| 539 | MF |
| 540 | RF |
| 541 | LF |
| 542 | RF |
| 543 | MF |
| 544 | FF |
| 545 | TH |
| 546 | FF |
| 547 | MF |
| 548 | RF |
| 549 | LF |
| 550 | RF |
| 551 | MF |
| 552 | FF |
| 553 | TH |
| 554 | FF |
| 555 | MF |
| 556 | RF |
| 557 | LF |
| 558 | RF |
| 559 | MF |
| 560 | FF |
| 561 | TH |
| 562 | FF |
| 563 | MF |
| 564 | RF |
| 565 | LF |
| 566 | RF |
| 567 | MF |
| 568 | FF |
| 569 | TH |
| 570 | FF |
| 571 | MF |
| 572 | RF |
| 573 | LF |
| 574 | RF |
| 575 | MF |
| 576 | FF |
| 577 | TH |
| 578 | FF |
| 579 | MF |
| 580 | RF |
| 581 | LF |
| 582 | RF |
| 583 | MF |
| 584 | FF |
| 585 | TH |
| 586 | FF |
| 587 | MF |
| 588 | RF |
| 589 | LF |
| 590 | RF |
| 591 | MF |
| 592 | FF |
| 593 | TH |
| 594 | FF |
| 595 | MF |
| 596 | RF |
| 597 | LF |
| 598 | RF |
| 599 | MF |
| 600 | FF |
| 601 | TH |
| 602 | FF |
| 603 | MF |
| 604 | RF |
| 605 | LF |
| 606 | RF |
| 607 | MF |
| 608 | FF |
| 609 | TH |
| 610 | FF |
| 611 | MF |
| 612 | RF |
| 613 | LF |
| 614 | RF |
| 615 | MF |
| 616 | FF |
| 617 | TH |
| 618 | FF |
| 619 | MF |
| 620 | RF |
| 621 | LF |
| 622 | RF |
| 623 | MF |
| 624 | FF |
| 625 | TH |
| 626 | FF |
| 627 | MF |
| 628 | RF |
| 629 | LF |
| 630 | RF |
| 631 | MF |
| 632 | FF |
| 633 | TH |
| 634 | FF |
| 635 | MF |
| 636 | RF |
| 637 | LF |
| 638 | RF |
| 639 | MF |
| 640 | FF |
| 641 | TH |
| 642 | FF |
| 643 | MF |
| 644 | RF |
| 645 | LF |
| 646 | RF |
| 647 | MF |
| 648 | FF |
| 649 | TH |
| 650 | FF |
| 651 | MF |
| 652 | RF |
| 653 | LF |
| 654 | RF |
| 655 | MF |
| 656 | FF |
| 657 | TH |
| 658 | FF |
| 659 | MF |
| 660 | RF |
| 661 | LF |
| 662 | RF |
| 663 | MF |
| 664 | FF |
| 665 | TH |
| 666 | FF |
| 667 | MF |
| 668 | RF |
| 669 | LF |
| 670 | RF |
| 671 | MF |
| 672 | FF |
| 673 | TH |
| 674 | FF |
| 675 | MF |
| 676 | RF |
| 677 | LF |
| 678 | RF |
| 679 | MF |
| 680 | FF |
| 681 | TH |
| 682 | FF |
| 683 | MF |
| 684 | RF |
| 685 | LF |
| 686 | RF |
| 687 | MF |
| 688 | FF |
| 689 | TH |
| 690 | FF |
| 691 | MF |
| 692 | RF |
| 693 | LF |
| 694 | RF |
| 695 | MF |
| 696 | FF |
| 697 | TH |
| 698 | FF |
| 699 | MF |
| 700 | RF |
| 701 | LF |
| 702 | RF |
| 703 | MF |
| 704 | FF |
| 705 | TH |
| 706 | FF |
| 707 | MF |
| 708 | RF |
| 709 | LF |
| 710 | RF |
| 711 | MF |
| 712 | FF |
| 713 | TH |
| 714 | FF |
| 715 | MF |
| 716 | RF |
| 717 | LF |
| 718 | RF |
| 719 | MF |
| 720 | FF |
| 721 | TH |
| 722 | FF |
| 723 | MF |
| 724 | RF |
| 725 | LF |
| 726 | RF |
| 727 | MF |
| 728 | FF |
| 729 | TH |
| 730 | FF |
| 731 | MF |
| 732 | RF |
| 733 | LF |
| 734 | RF |
| 735 | MF |
| 736 | FF |
| 737 | TH |
| 738 | FF |
| 739 | MF |
| 740 | RF |
| 741 | LF |
| 742 | RF |
| 743 | MF |
| 744 | FF |
| 745 | TH |
| 746 | FF |
| 747 | MF |
| 748 | RF |
| 749 | LF |
| 750 | RF |
| 751 | MF |
| 752 | FF |
| 753 | TH |
| 754 | FF |
| 755 | MF |
| 756 | RF |
| 757 | LF |
| 758 | RF |
| 759 | MF |
| 760 | FF |
| 761 | TH |
| 762 | FF |
| 763 | MF |
| 764 | RF |
| 765 | LF |
| 766 | RF |
| 767 | MF |
| 768 | FF |
| 769 | TH |
| 770 | FF |
| 771 | MF |
| 772 | RF |
| 773 | LF |
| 774 | RF |
| 775 | MF |
| 776 | FF |
| 777 | TH |
| 778 | FF |
| 779 | MF |
| 780 | RF |
| 781 | LF |
| 782 | RF |
| 783 | MF |
| 784 | FF |
| 785 | TH |
| 786 | FF |
| 787 | MF |
| 788 | RF |
| 789 | LF |
| 790 | RF |
| 791 | MF |
| 792 | FF |
| 793 | TH |
| 794 | FF |
| 795 | MF |
| 796 | RF |
| 797 | LF |
| 798 | RF |
| 799 | MF |
| 800 | FF |
| 801 | TH |
| 802 | FF |
| 803 | MF |
| 804 | RF |
| 805 | LF |
| 806 | RF |
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| 808 | FF |
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| 815 | MF |
| 816 | FF |
| 817 | TH |
| 818 | FF |
| 819 | MF |
| 820 | RF |
| 821 | LF |
| 822 | RF |
| 823 | MF |
| 824 | FF |
| 825 | TH |
| 826 | FF |
| 827 | MF |
| 828 | RF |
| 829 | LF |
| 830 | RF |
| 831 | MF |
| 832 | FF |
| 833 | TH |
| 834 | FF |
| 835 | MF |
| 836 | RF |
| 837 | LF |
| 838 | RF |
| 839 | MF |
| 840 | FF |
| 841 | TH |
| 842 | FF |
| 843 | MF |
| 844 | RF |
| 845 | LF |
| 846 | RF |
| 847 | MF |
| 848 | FF |
| 849 | TH |
| 850 | FF |
| 851 | MF |
| 852 | RF |
| 853 | LF |
| 854 | RF |
| 855 | MF |
| 856 | FF |
| 857 | TH |
| 858 | FF |
| 859 | MF |
| 860 | RF |
| 861 | LF |
| 862 | RF |
| 863 | MF |
| 864 | FF |
| 865 | TH |
| 866 | FF |
| 867 | MF |
| 868 | RF |
| 869 | LF |
| 870 | RF |
| 871 | MF |
| 872 | FF |
| 873 | TH |
| 874 | FF |
| 875 | MF |
| 876 | RF |
| 877 | LF |
| 878 | RF |
| 879 | MF |
| 880 | FF |
| 881 | TH |
| 882 | FF |
| 883 | MF |
| 884 | RF |
| 885 | LF |
| 886 | RF |
| 887 | MF |
| 888 | FF |
| 889 | TH |
| 890 | FF |
| 891 | MF |
| 892 | RF |
| 893 | LF |
| 894 | RF |
| 895 | MF |
| 896 | FF |
| 897 | TH |
| 898 | FF |
| 899 | MF |
| 900 | RF |
| 901 | LF |
| 902 | RF |
| 903 | MF |
| 904 | FF |
| 905 | TH |
| 906 | FF |
| 907 | MF |
| 908 | RF |
| 909 | LF |
| 910 | RF |
| 911 | MF |
| 912 | FF |
| 913 | TH |
| 914 | FF |
| 915 | MF |
| 916 | RF |
| 917 | LF |
| 918 | RF |
| 919 | MF |
| 920 | FF |
| 921 | TH |
| 922 | FF |
| 923 | MF |
| 924 | RF |
| 925 | LF |
| 926 | RF |
| 927 | MF |
| 928 | FF |
| 929 | TH |
| 930 | FF |
| 931 | MF |
| 932 | RF |
| 933 | LF |
| 934 | RF |
| 935 | MF |
| 936 | FF |
| 937 | TH |
| 938 | FF |
| 939 | MF |
| 940 | RF |
| 941 | LF |
| 942 | RF |
| 943 | MF |
| 944 | FF |
| 945 | TH |
| 946 | FF |
| 947 | MF |
| 948 | RF |
| 949 | LF |
| 950 | RF |
| 951 | MF |
| 952 | FF |
| 953 | TH |
| 954 | FF |
| 955 | MF |
| 956 | RF |
| 957 | LF |
| 958 | RF |
| 959 | MF |
| 960 | FF |
| 961 | TH |
| 962 | FF |
| 963 | MF |
| 964 | RF |
| 965 | LF |
| 966 | RF |
| 967 | MF |
| 968 | FF |
| 969 | TH |
| 970 | FF |
| 971 | MF |
| 972 | RF |
| 973 | LF |
| 974 | RF |
| 975 | MF |
| 976 | FF |
| 977 | TH |
| 978 | FF |
| 979 | MF |
| 980 | RF |
| 981 | LF |
| 982 | RF |
| 983 | MF |
| 984 | FF |
| 985 | TH |
| 986 | FF |
| 987 | MF |
| 988 | RF |
| 989 | LF |
| 990 | RF |
| 991 | MF |
| 992 | FF |
| 993 | TH |
| 994 | FF |
| 995 | MF |
| 996 | RF |
| 997 | LF |
| 998 | RF |
| 999 | MF |
| 1000 | FF |