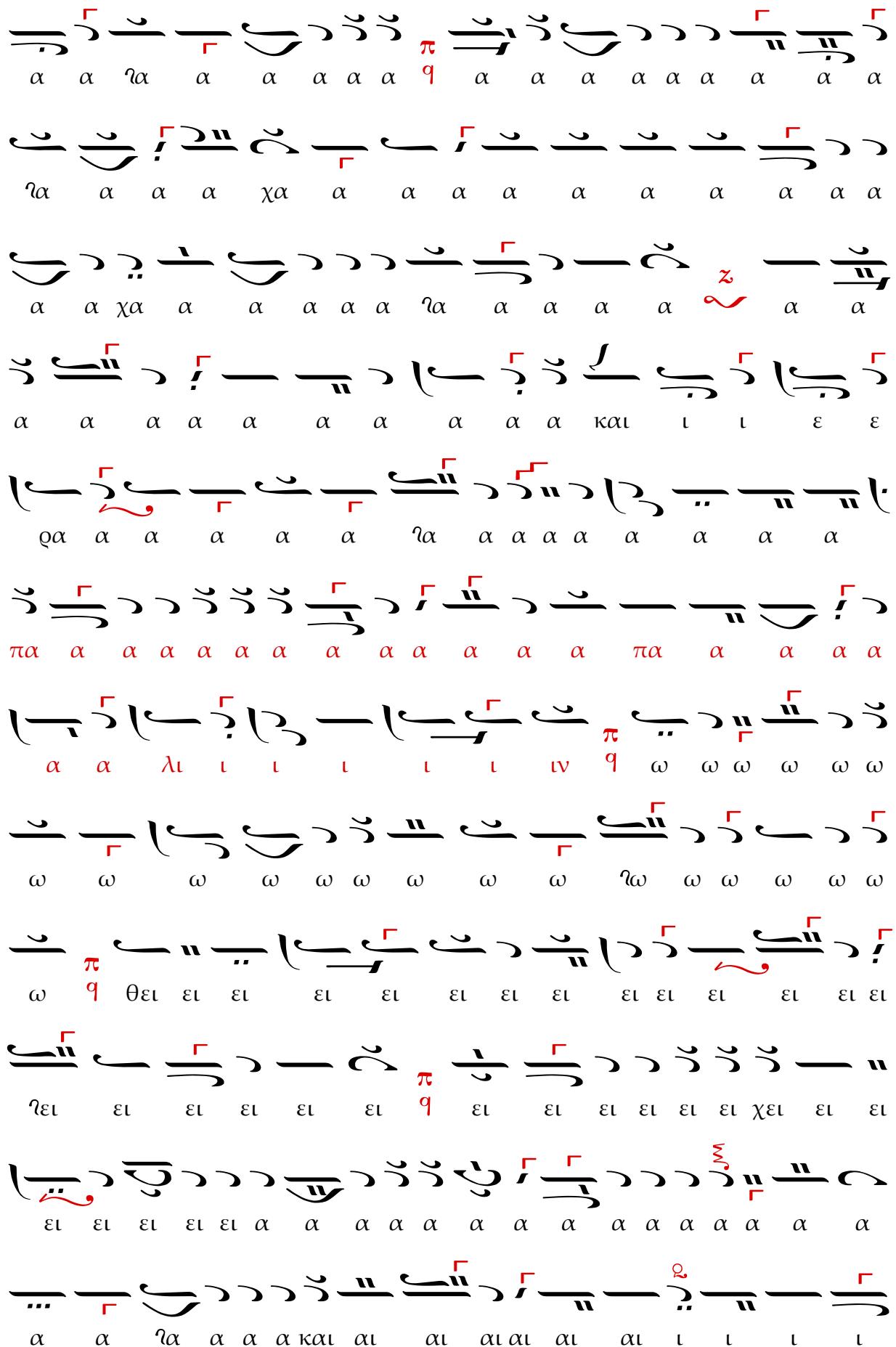


[15.] Τῇ α' Ἰανουαρίου, εἰς τὸν μέγαν Βασίλειον,  
Μανουὴλ τοῦ Χρυσάφου.

Ἡχος Λα

The image shows two systems of musical notation from a historical manuscript. The top system consists of four staves, each with four horizontal lines. The notes are represented by red and black square neumes. Below each note is a Greek vowel: omega, omega. Red markings include a red 'pi' over a red 'rho' at the beginning of the second staff, and red 'pi' and 'rho' symbols placed above certain notes. The bottom system consists of five staves, each with five horizontal lines. The notes are represented by red and black square neumes. Below each note are Greek letters: epsilon, epsilon. Red markings include a red 'pi' over a red 'rho' at the beginning of the second staff, and red 'pi' and 'rho' symbols placed above certain notes.

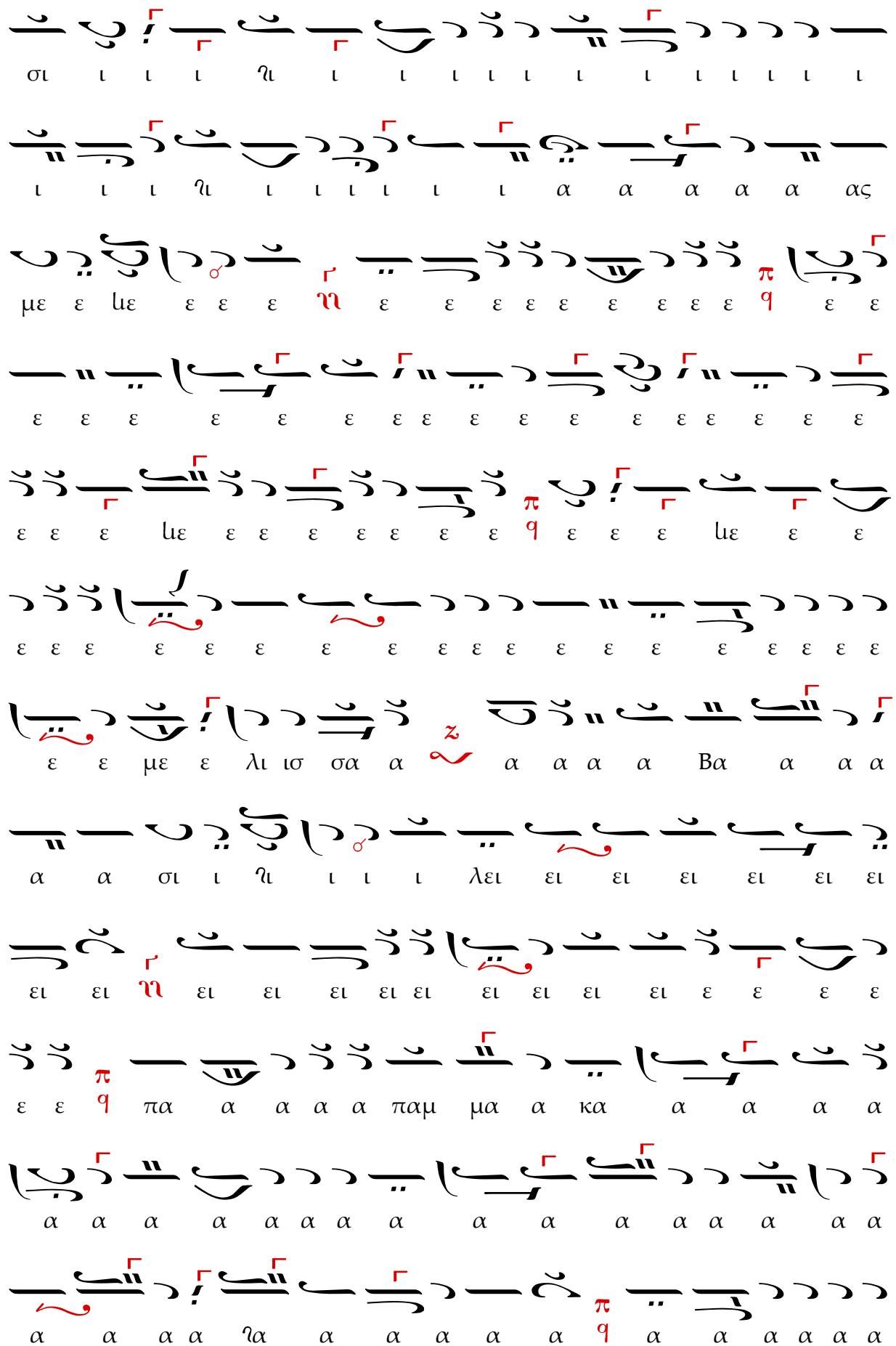
Ω θεία καὶ ἴερά



# Μαθηματάριον

<img alt="A page from a musical manuscript featuring Gregorian chant notation in black ink on red staves. The text is in Greek, with some letters written in red. Red markings include red dots above certain letters, red horizontal strokes through groups of letters, and red numbers placed above or below specific notes. Red numbers at the end of each line indicate the tone: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 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, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 698, 699, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 798, 799, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 888, 889, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 898, 899, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 988, 989, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 998, 999, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1088, 1089, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1097, 1098, 1099, 1099, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1119, 1120, 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1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1288, 1289, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1297, 1298, 1299, 1299, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1388, 1389, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1397, 1398, 1399, 1399, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1488, 1489, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1497, 1498, 1499, 1499, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1559, 1560, 1561, 1562, 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Ω θεία καὶ ἴερά



Μαθηματάριον

α α α α α α α α α α α πα α α α παμ  
  
 μα κα α ηα α α α η α α α α α α α α α  
  
 α α α α α α α παμ μα α α α κα α α α α α  
  
 α α α α α α α α π α η α α α α α α α ζι  
  
 ι ι ι παμ μα α α κα α α α α α α α ζε ε ε  
  
 ε π η συ υ υ υ υ υ υ υ υ υ υ υ υ  
  
 υ χυ υ υ υ υ υ υ γα α α α α ηα α α  
  
 α αρ τ8 θει ει ει 8 8 πο ο ο ο ο ο ο  
  
 θ8 8 8 8 8 8 τω ω ω ω ω ω ω  
  
 κε ε ε ε χε ε ε ε τω ω ω ω ω ω ω  
  
 ω ω κε ε ε ε ε ε ε ε ε εν τρω ω ω ω ω  
  
 ω ω ω ω ω ω ω ω χω ω ω ω ω ω ω

Ω θεία καὶ ἴερά

Μαθηματάριον

καταβαθμία  
 ι ι ι κα α α θο ο πλι ι ι ι ι ι ι  
 σα α α α ας  $\pi$  των θε ο ο ζυ ν ν ν ν  
 υ υ των θε ο ζυ υ γω ω ω ω ω ω ω  
 ω ω ω ω ω ω ω ω ω ω ω ω ω ω  
 χω ω ω ω ω ω ω ω ω ω ων αι αι αι αι  
 αι αι αι αι αι αι ζε ε ε ε σε ω ων  $z$   
 τας βλα σφη μι ι ι ι ι ι ι ι ι ι ι  
 ι ι ι ι ι ι ι ι α α α α  $\pi$  α α α  
 α ας κα α α α α α α α α α α α τε  
 ε ε ε ε ε ε ε ε ε ε κα α α  
 τε ε ε ε ε ε ε ε ε ε ε ε ε ε ε  
 ε τρω ω ω ω κα α α τε ε ε ε ε τρω σα

Ω Θεία καὶ ἵερά

α α ας π καὶ αι αι ται αι αι αι αι αι αι αι αις ψυ  
 ν ν ν ν χαι αι  
 αι αι αι αι αι αι αι αι αι αι καὶ αι αι ται αι αι  
 αι αι αι αις ψυ ν ν ν ν χαι αι αι λαι αι αι αι  
 αι αι αι αις Δ τω ω ω ω ω ω ω ω  
 ιω ω ω ω ω ων πι π τι τι τι τι τι τι των πι  
 ξω ω ω ω ω ω ω π ω ω ω ω ω ω ω ω  
 ιω ω ω ω ω ω ω ω ω ω ω ω ω ω ω  
 ω ω ων ε ε λε ε εν σε ε ε εν σε βει π  
 ει ει ει ει ει γει ει ει ει ει ει ει ει ει  
 ει ει ει ει ει εν σε βει ει ει α α α α α α  
 α α ας π ον γλυ κα α σμο ο ο ο ο ο ο ο ο ο

# Μαθηματάριον

Ω θεία καὶ ἴερά

## Μαθηματάριον

Η ε ε ε ε ε ε π  
 η ε ε ε ε ε ε κε  
 ε ε ιε ε ε ε ε ε ε π  
 ε ε ε ε ε ε θη η σα α α α α α αν ρι  
 ι ι ι ι ι ι ι ε θη σα αν ρι ι σα α ~  
 α α α α α ας βα σι ι ι ι ι ι ι ι ι π  
 ι ι ι ι ι ι ι λει ει ει ει ει βα σι ι λει  
 ε ε ε ιε ε ε ε ε ε ε

