

NOMBRES - Curiosités, théorie et usages

PUISSANCES de 2

Chiffres répétés (dont le 666)

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Table des puissances de 2 contenant au moins trois chiffres répétés

- [>>> Triplets 666](#)
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-



TRIPLET 666

Puissances de 2 avec 666

[157, 192, 218, 220, 222, 224, 226, 243, 245, 247, 251, 278, 285, 286, 287, 312, 355, 361, 366, 382, 384, 390, 394, 411, 434, 443, 478, 497, 499, 506, 508, 528, 529, 539, 540, 541, 564, 578, 580, 582, 583, 610, 612, 614, 620, 624, 635, 646, 647, 648, 649, 650, 660, 662, 664, 666, 667, 669, 671, 684, 686, 693, 700, 702, 704, 714, 718, 720, 723, 747, 748, 749, 787, 800, 807, 819, 820, 822, 823, 824, 826, 828, 836, 838, 840, 841, 842, 844, 846, 848, 850, 857, 859, 861, 864, 865, 866, 867, 868, 869, 871, 873, 875, 882, 884, 894, 898, 920, 922, 924, 925, 927, 928, 929, 931, 937, 970, 972, 975, 977, 979, 981, 983, 985, 994]

Puissances de 2 avec 666 plusieurs fois (4 fois dans 2^{220})

[[220, 4], [222, 3], [243, 2], [529, 2], [624, 2], [648, 2], [662, 2], [702, 2], [714, 2], [838, 3], [840, 3], [842, 2], [844, 3], [846, 2], [850, 2], [857, 2], [859, 2], [867, 2], [869, 3], [871, 2], [924, 2], [925, 3], [927, 2], [929, 3], [931, 3], [975, 2], [979, 2], [981, 2], [983, 2]]

Puissances de 2 avec 666 plusieurs fois – Records

[[157, 1], [220, 4], [1862, 5], [1885, 6], [1887, 7], [4870, 8], [7085, 9], [7972, 10], [8658, 11]]

TRIPLETS ccc

Records quantité de triplets

24, [7] 2^{24} contient un seul triplet (777) et c'est la plus petite puissance

168, [1, 4] 2^{168} contient deux triplets (111 et 444)

197, [2, 4, 5]

339, [1, 2, 8, 9]

610, [0, 1, 5, 6, 8]

648, [1, 2, 3, 4, 6, 8]

1060, [1, 3, 4, 5, 6, 7, 8]

1341, [1, 2, 3, 5, 6, 7, 8, 9]

1839, [0, 1, 2, 3, 5, 6, 7, 8, 9]

2389, [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

Ces puissances de 2 contiennent plus de deux triplets

[339, 489, 491, 539, 540, 564, 610, 611, 644, 646, 647, 648, 649, 650, 669, 670, 671, 691, 692, 693, 694, 696, 706, 708, 716, 718, 720, 746, 747, 760, 762, 768, 769, 776, 777, 781, 787, 799, 806, 807, 808, 816, 828, 864, 868, 871, 888, 924, 925, 927, 928, 967, 968, 969, 971, 975, 976, 977, 978, 980, 982, 983, 984, 985, 993]

Liste des puissances de 2 contenant des triplets

Le nombre 2^{24} est le plus petit nombre contenant un triplet et c'est 777

| | | |
|----------|----------------|-------------|
| 24, [7] | 167, [5] | 216, [1] |
| 39, [8] | 168, [1, 4] | 217, [2, 3] |
| 40, [7] | 169, [2, 8] | 218, [6] |
| 41, [5] | 179, [4, 7] | 219, [3] |
| 42, [1] | 180, [8] | 220, [6] |
| 43, [2] | 181, [7] | 221, [3, 9] |
| 44, [4] | 182, [3, 5] | 222, [6] |
| 45, [8] | 189, [3] | 223, [3] |
| 50, [9] | 190, [1, 8] | 224, [4, 6] |
| 73, [4] | 191, [2, 7] | 225, [3, 8] |
| 74, [8] | 192, [4, 6] | 226, [4, 6] |
| 75, [7] | 193, [8] | 227, [3, 8] |
| 76, [5] | 194, [7] | 229, [4] |
| 77, [1] | 195, [5] | 230, [7] |
| 83, [3] | 196, [1, 2] | 231, [1, 5] |
| 131, [2] | 197, [2, 4, 5] | 232, [5] |
| 132, [4] | 198, [8] | 234, [8] |
| 139, [8] | 199, [7] | 235, [7] |
| 143, [1] | 200, [2] | 239, [8] |
| 152, [7] | 201, [4] | 242, [0, 3] |
| 153, [5] | 202, [8] | 243, [0, 6] |
| 154, [1] | 203, [2, 5] | 244, [0, 3] |
| 156, [3] | 204, [4] | 245, [0, 6] |
| 157, [6] | 205, [8] | 246, [0, 3] |
| 164, [4] | 213, [8] | 247, [0, 6] |
| 165, [8] | 214, [7] | 250, [3, 5] |
| 166, [7] | 215, [5] | 251, [6] |

252, [0]
253, [0, 1]
260, [7]
261, [5]
262, [1]
263, [1]
264, [2]
265, [4]
270, [2]
271, [0, 4]
272, [0, 2]
273, [0]
277, [3]
278, [6]
279, [4]
280, [2]
282, [7]
284, [3, 5]
285, [1, 3, 6]
286, [3, 6]
287, [6]
288, [3]
290, [2]
291, [4]
294, [4]
295, [8]
296, [5, 7]
297, [5]
298, [1]
299, [2]
300, [3]
303, [0, 8]
304, [7]
309, [4]
310, [8]
311, [7]
312, [5, 6]
313, [1, 3]
314, [2, 3]
315, [4]
316, [8]
317, [7]
318, [5]
319, [1]
320, [2]
321, [0, 4]
322, [0, 8]
323, [2, 7]
324, [4, 5]
325, [8]

326, [7]
327, [9]
328, [5]
329, [1]
330, [2, 9]
332, [0, 7]
335, [9]
336, [4]
337, [2, 5]
338, [1, 4]
339, [1, 2, 8, 9]
340, [4, 9]
341, [1, 8, 9]
342, [2, 7, 9]
343, [9]
344, [8]
345, [7]
346, [5]
349, [5]
350, [8]
354, [3]
355, [6]
356, [3, 9]
361, [6]
363, [7]
364, [4, 5]
365, [3, 8]
366, [6]
369, [5]
370, [1, 7]
371, [2, 5]
372, [4]
373, [3]
374, [2, 7]
375, [3, 5]
376, [0, 1]
377, [0, 2]
378, [0, 4]
379, [0, 8]
380, [0]
382, [6]
383, [3]
384, [6]
385, [2, 3]
386, [8]
389, [3]
390, [6, 7]
391, [3, 5]
392, [1]
393, [2]

394, [6]
395, [0]
396, [0]
398, [0]
402, [9]
403, [9]
409, [1]
410, [0]
411, [2, 6]
412, [4]
413, [9]
417, [7]
418, [1, 5]
419, [1, 2]
420, [9]
421, [9]
422, [0, 9]
423, [0, 9]
424, [0, 7, 9]
425, [9]
426, [7, 9]
427, [9]
428, [9]
432, [2]
434, [0, 6]
438, [0]
439, [0, 8]
440, [0]
441, [0, 4]
442, [0, 5, 8]
443, [1, 6, 7]
444, [0, 2, 5]
445, [0]
446, [4]
448, [8]
451, [4]
453, [4]
454, [8]
455, [7]
456, [5]
461, [8]
462, [2]
467, [1, 8]
468, [2, 7]
469, [3, 4]
470, [8]
471, [7]
472, [5]
473, [1, 9]
474, [7, 8]

| | | |
|-------------------|----------------------|-------------------------|
| 475, [7] | 545, [9] | 612, [0, 6, 8] |
| 476, [5] | 546, [2] | 613, [2, 3] |
| 478, [6] | 547, [4] | 614, [4, 6] |
| 482, [2] | 548, [5, 8] | 615, [3, 8] |
| 483, [7] | 549, [1] | 618, [4, 7] |
| 484, [1, 5] | 550, [9] | 619, [8] |
| 485, [1] | 551, [1] | 620, [6, 7] |
| 486, [2, 9] | 552, [5] | 621, [1] |
| 487, [1, 4, 9] | 553, [1] | 623, [0, 3] |
| 488, [2, 8, 9] | 558, [2] | 624, [0, 4, 6] |
| 489, [4, 7, 8, 9] | 559, [4, 7, 8] | 625, [0, 3, 8] |
| 490, [5, 7, 9] | 563, [0, 3] | 626, [7] |
| 491, [0, 1, 5, 9] | 564, [0, 2, 3, 6] | 627, [5] |
| 492, [2] | 565, [0, 4] | 628, [1] |
| 497, [6] | 566, [8] | 629, [2, 3] |
| 498, [3] | 567, [2, 7] | 630, [4, 5] |
| 499, [6] | 568, [4] | 631, [4, 8] |
| 503, [4] | 571, [9] | 632, [0, 7] |
| 504, [8] | 572, [3, 9] | 633, [5] |
| 505, [2, 7] | 578, [2, 6] | 635, [6] |
| 506, [6] | 579, [3, 4] | 637, [9] |
| 507, [3] | 580, [6, 8] | 639, [8, 9] |
| 508, [6] | 581, [3, 7] | 640, [2] |
| 510, [4] | 582, [0, 6] | 641, [4, 8] |
| 511, [8] | 583, [0, 6] | 642, [8] |
| 512, [7] | 584, [0, 3, 7] | 643, [4, 7] |
| 513, [3, 9] | 585, [0, 5, 7] | 644, [1, 5, 8, 9] |
| 514, [9] | 586, [0] | 645, [1, 7] |
| 515, [8, 9] | 588, [7] | 646, [2, 5, 6, 8] |
| 516, [9] | 589, [5] | 647, [1, 3, 4, 6] |
| 517, [9] | 590, [1] | 648, [1, 2, 3, 4, 6, 8] |
| 518, [9] | 591, [2, 4] | 649, [2, 3, 4, 6, 7, 8] |
| 519, [9] | 592, [4, 8] | 650, [2, 6, 7, 8] |
| 520, [5, 9] | 593, [7, 8] | 651, [0, 3, 7] |
| 521, [1, 9] | 594, [5] | 652, [0, 5] |
| 522, [9] | 597, [1, 5, 9] | 653, [0, 7] |
| 523, [7] | 598, [1, 2, 9] | 654, [0, 5] |
| 524, [2, 7] | 599, [4, 9] | 655, [1] |
| 527, [3] | 600, [8, 9] | 657, [1] |
| 528, [6, 9] | 601, [2, 9] | 658, [4] |
| 529, [5, 6, 9] | 602, [9] | 659, [8] |
| 534, [1, 4] | 603, [2, 9] | 660, [6, 7] |
| 535, [2, 8] | 604, [1, 4, 9] | 661, [3, 5] |
| 536, [7] | 605, [2, 9] | 662, [6] |
| 537, [5] | 606, [4] | 663, [0, 3, 7] |
| 538, [1] | 607, [4, 8] | 664, [0, 6] |
| 539, [2, 4, 6, 8] | 608, [7, 8] | 665, [3] |
| 540, [3, 6, 7, 8] | 609, [0, 5, 7] | 666, [5, 6] |
| 541, [5, 6] | 610, [0, 1, 5, 6, 8] | 667, [1, 6] |
| 544, [9] | 611, [0, 2, 3, 7] | 668, [2, 3] |

669, [1, 4, 6, 7]
670, [2, 5, 7, 8]
671, [4, 5, 6, 9]
674, [0]
675, [0, 2]
676, [4]
677, [8]
678, [1, 7]
679, [5]
680, [1, 2]
681, [2, 4]
682, [1, 4, 8]
683, [0]
684, [0, 6]
685, [0, 3, 9]
686, [0, 3, 6]
688, [8]
689, [7]
690, [4, 5]
691, [0, 1, 4, 8, 9]
692, [0, 2, 3, 4, 7, 8]
693, [0, 4, 5, 6, 7, 8]
694, [0, 3, 7, 8]
695, [0, 5, 7]
696, [0, 1, 2, 5, 7]
697, [2, 4, 5]
698, [1, 8]
699, [2]
700, [4, 5, 6]
701, [3, 5, 9]
702, [0, 6, 7]
703, [3]
704, [4, 6, 7]
705, [5, 8]
706, [0, 1, 2, 7]
707, [2, 4, 5]
708, [0, 1, 4, 8]
709, [0, 8]
710, [0, 7]
711, [0]
712, [0, 2]
713, [3, 4]
714, [6, 8]
715, [4, 5, 7]
716, [2, 4, 5, 8]
717, [1, 7, 8]
718, [0, 5, 6, 7]
719, [0, 3, 5]
720, [0, 1, 6, 8]
721, [0, 7]

722, [0, 7]
723, [5, 6]
725, [1]
727, [9]
729, [9]
730, [9]
731, [4, 9]
732, [1, 9]
733, [3]
734, [9]
735, [9]
736, [9]
737, [9]
738, [1, 9]
739, [8]
741, [4]
742, [1, 8, 9]
743, [2, 7, 9]
744, [4, 9]
745, [0, 8, 9]
746, [0, 4, 7, 9]
747, [0, 5, 6, 9]
748, [0, 6, 9]
749, [0, 6, 9]
750, [0, 9]
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753, [5]
755, [3]
756, [7]
757, [4]
758, [8, 9]
759, [7, 9]
760, [2, 4, 5, 9]
761, [1, 4, 5]
762, [0, 1, 2, 8]
763, [0, 7]
764, [5]
766, [1]
767, [2]
768, [1, 4, 5, 9]
769, [1, 2, 3, 8]
770, [2, 4, 7]
771, [0, 2, 4]
772, [0, 3, 8]
773, [0, 1]
774, [0, 3, 8]
775, [0, 7]
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777, [0, 2, 5, 7]
778, [0, 1, 5]

779, [9]
780, [0, 5]
781, [0, 1, 5, 7]
782, [1, 2, 7]
783, [5]
785, [2]
786, [4, 5]
787, [1, 2, 6, 7]
788, [1, 2]
789, [4, 5]
790, [2, 8]
791, [4, 7]
792, [5]
793, [1]
794, [1]
796, [9]
797, [2]
798, [1, 4, 8]
799, [2, 3, 4, 7]
800, [6, 8]
801, [3, 7]
802, [5]
804, [2]
805, [4, 5]
806, [1, 2, 8, 9]
807, [2, 5, 6, 7, 9]
808, [1, 4, 5, 9]
809, [1, 8, 9]
810, [9]
814, [9]
815, [8, 9]
816, [4, 5, 7, 8]
817, [3, 5, 8]
818, [1, 7, 8]
819, [5, 6, 7]
820, [3, 6]
822, [1, 3, 6]
823, [6]
824, [1, 6, 7]
825, [2, 3]
826, [4, 6]
827, [3, 8]
828, [0, 4, 6, 7]
829, [0, 5, 8]
830, [0, 1, 7]
831, [0, 2, 5]
832, [0, 9]
833, [8, 9]
834, [2, 5, 8]
835, [1, 4]

836, [2, 6, 8]
837, [3, 4, 7]
838, [5, 6]
839, [3, 5, 8]
840, [1, 6]
841, [2, 3, 6]
842, [4, 6]
843, [3]
844, [6]
845, [3, 9]
846, [6, 9]
847, [3, 9]
848, [0, 6, 9]
849, [3]
850, [6]
851, [7]
852, [5]
854, [4]
855, [0, 8]
856, [0, 3]
857, [6]
858, [3, 5]
859, [6]
860, [0, 3]
861, [0, 4, 6]
862, [3, 8]
863, [7]
864, [2, 5, 6, 8]
865, [4, 6]
866, [3, 6, 8]
867, [3, 6, 7]
868, [1, 3, 5, 6]
869, [1, 2, 6]
870, [3, 4]
871, [0, 3, 4, 6]
872, [0, 3, 8]
873, [0, 6]
874, [2, 3]
875, [6]
878, [0]
880, [7]
881, [2]
882, [6]
883, [3, 7]
884, [5, 6, 8]
885, [1]
886, [2, 5]
887, [5]
888, [1, 2, 4, 9]
889, [2, 4, 9]
890, [4]
891, [8, 9]
893, [4]
894, [6, 9]
895, [3, 9]
896, [1, 8, 9]
898, [4, 6]
900, [4]
901, [8]
902, [2, 7, 9]
903, [5, 9]
904, [9]
905, [8, 9]
906, [7, 9]
907, [5, 9]
908, [9]
909, [0, 7, 9]
910, [5, 9]
911, [1, 4, 9]
912, [8, 9]
914, [1, 8]
915, [2]
916, [1, 4]
917, [2, 8]
920, [6]
921, [3]
922, [6, 7]
923, [3, 5]
924, [1, 3, 6, 8]
925, [2, 3, 5, 6, 7]
926, [3]
927, [1, 3, 5, 6, 7]
928, [2, 3, 5, 6]
929, [2, 4, 6]
930, [3, 7, 8]
931, [5, 6, 7]
932, [1, 3, 5]
933, [1, 2]
934, [2, 5]
935, [1]
936, [3, 4]
937, [6]
938, [3]
939, [8]
940, [1]
941, [2]
942, [1]
944, [7]
945, [1, 5]
946, [1, 9]
947, [2, 9]
948, [9]
949, [9]
950, [9]
951, [5, 9]
952, [9]
953, [5, 9]
954, [4, 5, 7]
955, [5]
956, [1, 9]
957, [2, 9]
958, [4, 7, 9]
959, [9]
960, [9]
961, [5, 9]
962, [1, 9]
963, [9]
964, [9]
965, [0, 9]
966, [0, 8, 9]
967, [0, 1, 5, 7]
968, [0, 1, 5, 8]
969, [0, 2, 3, 7]
970, [0, 4, 6]
971, [0, 3, 4, 8]
972, [6, 7, 8]
973, [5, 7]
974, [1, 3, 7]
975, [2, 4, 5, 6, 7]
976, [1, 3, 4, 5]
977, [1, 2, 6, 8, 9]
978, [2, 3, 4, 7]
979, [5, 6, 8]
980, [1, 2, 3, 8]
981, [2, 6, 7]
982, [0, 3, 4, 5]
983, [0, 1, 6, 8, 9]
984, [0, 2, 7, 8, 9]
985, [0, 3, 4, 5, 6, 7]
986, [0, 3, 8]
987, [7, 9]
988, [5]
990, [2, 4, 8]
991, [7, 8]
992, [7]
993, [3, 4, 5, 9]
994, [1, 2, 6]
995, [3, 4]
996, [8]
997, [7]

998, [0]

999, [0]

1000, [0, 7]

QUADRUPLETS

2⁴¹ contient le quadruplet 5555

| | | | | |
|----------|-------------|-------------|----------|-------------|
| 41, [5] | 425, [9] | 691, [1, 8] | 839, [3] | 961, [9] |
| 180, [8] | 454, [8] | 692, [0, 2] | 840, [6] | 962, [9] |
| 181, [7] | 484, [5] | 693, [4] | 841, [3] | 963, [9] |
| 192, [4] | 485, [1] | 694, [8] | 842, [6] | 967, [0] |
| 219, [3] | 486, [2] | 698, [1] | 843, [3] | 968, [0] |
| 220, [6] | 487, [4, 9] | 699, [2] | 844, [6] | 969, [2] |
| 221, [3] | 514, [9] | 713, [4] | 857, [6] | 970, [4] |
| 222, [6] | 519, [9] | 719, [0] | 858, [3] | 971, [8] |
| 223, [3] | 583, [0] | 743, [9] | 867, [6] | 972, [7] |
| 243, [6] | 589, [5] | 744, [9] | 868, [3] | 973, [5] |
| 310, [8] | 592, [8] | 745, [9] | 869, [6] | 974, [1] |
| 311, [7] | 600, [9] | 746, [0, 9] | 870, [3] | 975, [2, 5, |
| 312, [5] | 601, [9] | 762, [8] | 871, [6] | 6] |
| 313, [1] | 606, [4] | 769, [2] | 908, [9] | 976, [4] |
| 314, [2] | 608, [8] | 773, [0] | 909, [9] | 977, [8] |
| 315, [4] | 611, [3] | 774, [0] | 925, [6] | 978, [7] |
| 316, [8] | 641, [4] | 800, [8] | 926, [3] | 979, [5] |
| 317, [7] | 642, [8] | 805, [4] | 927, [6] | 982, [5] |
| 318, [5] | 643, [7] | 807, [9] | 928, [3] | 985, [4] |
| 377, [0] | 644, [5] | 817, [8] | 929, [6] | 986, [8] |
| 383, [3] | 651, [7] | 829, [8] | 948, [9] | 987, [7] |
| 421, [9] | 659, [8] | 835, [4] | 949, [9] | 999, [0] |
| 422, [9] | 661, [3] | 836, [8] | 958, [9] | |
| 423, [9] | 662, [6] | 837, [3, 7] | 959, [9] | |
| 424, [9] | 690, [5] | 838, [6] | 960, [9] | |

QUINTUPLETS

| | | | | |
|----------|----------|----------|----------|----------|
| 220, [6] | 422, [9] | 839, [3] | 970, [4] | 976, [4] |
| 221, [3] | 485, [1] | 840, [6] | 971, [8] | 977, [8] |
| 314, [2] | 486, [2] | 868, [3] | 972, [7] | 978, [7] |
| 315, [4] | 642, [8] | 869, [6] | 973, [5] | |
| 316, [8] | 643, [7] | 959, [9] | 974, [1] | |
| 317, [7] | 838, [6] | 960, [9] | 975, [2] | |

SEXTUPLETS

- 971, [8]
- 972, [7]
- 973, [5]

EXEMPLE

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95796549263570108934244684419249524397243\
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51085676517537721444362987182653356744543\
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848



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