Table 2. Labour flows between industries observed between the years 2009 and 2013. In this case, a “flow” is defined as all the possible pair of industries observed for a worker on the ASHE\* dataset within the space of 2 years. The first column on the table is the 4-digit SIC classification code for the initial industry in the flow, the second column is the 4-digit SIC classification code for the final industry in the flow. The third column is the aggregated counts of flows observed for that pair of industries in the above mentioned dataset.

## \* Office for National Statistics. (2019). *Annual Survey of Hours and Earnings, 1997-2018: Secure Access*. [data collection]. *14th Edition.* UK Data Service. SN: 6689, <http://doi.org/10.5255/UKDA-SN-6689-13>

|  |  |  |
| --- | --- | --- |
| Initial Industry | Final Industry | Counts |
| 8520 | 8520 | 11774 |
| 8610 | 8610 | 7737 |
| 6419 | 6419 | 4031 |
| 4711 | 4711 | 3704 |
| 5310 | 5310 | 2533 |
| 8424 | 8424 | 1843 |
| 4771 | 4771 | 1816 |
| 8520 | 8531 | 1707 |
| 7820 | 7820 | 1650 |
| 5610 | 5610 | 1508 |
| 8411 | 8411 | 1465 |
| 8690 | 8690 | 1417 |
| 8121 | 8121 | 1323 |
| 8542 | 8542 | 1291 |
| 8520 | 8411 | 1286 |
| 8413 | 8430 | 1105 |
| 8430 | 8413 | 1048 |
| 8899 | 8899 | 1006 |
| 4719 | 4719 | 1003 |
| 8690 | 8610 | 979 |
| 8411 | 8520 | 900 |
| 6910 | 6910 | 874 |
| 4120 | 4120 | 863 |
| 8610 | 8690 | 841 |
| 5621 | 5629 | 813 |
| 6190 | 6190 | 792 |
| 7112 | 7112 | 768 |
| 5630 | 5630 | 727 |
| 6920 | 6920 | 703 |
| 4931 | 4931 | 654 |
| 6820 | 6820 | 625 |
| 4511 | 4511 | 567 |
| 8010 | 8010 | 566 |
| 6202 | 6202 | 542 |
| 5221 | 5221 | 538 |
| 3513 | 3513 | 529 |
| 4941 | 4941 | 484 |
| 8810 | 8810 | 482 |
| 8790 | 8790 | 479 |
| 5320 | 5210 | 472 |
| 4941 | 5320 | 452 |
| 9200 | 9200 | 449 |
| 7820 | 8610 | 446 |
| 5320 | 5320 | 442 |
| 8610 | 7820 | 438 |
| 8532 | 8532 | 427 |
| 6622 | 6622 | 423 |
| 8531 | 8520 | 413 |
| 5510 | 5510 | 404 |
| 7022 | 7022 | 404 |
| 8730 | 8730 | 403 |
| 5621 | 5621 | 401 |
| 4299 | 4120 | 373 |
| 4299 | 4299 | 371 |
| 8520 | 8899 | 369 |
| 8423 | 8423 | 364 |
| 8710 | 8710 | 356 |
| 6512 | 6512 | 318 |
| 4711 | 8520 | 313 |
| 8531 | 8531 | 310 |
| 4321 | 4321 | 306 |
| 3030 | 3030 | 304 |
| 4673 | 4673 | 296 |
| 8110 | 8110 | 295 |
| 4754 | 4754 | 294 |
| 8899 | 8520 | 293 |
| 8891 | 8891 | 291 |
| 8610 | 8710 | 289 |
| 3522 | 3522 | 289 |
| 8621 | 8621 | 287 |
| 3511 | 3513 | 287 |
| 8559 | 8559 | 284 |
| 6209 | 6209 | 283 |
| 8690 | 8412 | 280 |
| 8730 | 8710 | 268 |
| 8520 | 4711 | 262 |
| 8412 | 8690 | 261 |
| 4520 | 4520 | 256 |
| 6831 | 6831 | 253 |
| 8520 | 8610 | 246 |
| 8425 | 8425 | 245 |
| 5911 | 6020 | 245 |
| 7219 | 7219 | 241 |
| 7911 | 7911 | 239 |
| 5210 | 5210 | 234 |
| 3513 | 3511 | 233 |
| 7820 | 8520 | 226 |
| 6629 | 8220 | 224 |
| 8790 | 8730 | 223 |
| 7810 | 7820 | 223 |
| 8520 | 8121 | 214 |
| 5610 | 4711 | 211 |
| 6619 | 6619 | 211 |
| 8610 | 8621 | 210 |
| 8121 | 8520 | 207 |
| 8422 | 8422 | 207 |
| 8121 | 7010 | 207 |
| 8412 | 8412 | 202 |
| 4910 | 4910 | 199 |
| 8412 | 8610 | 197 |
| 4321 | 4299 | 196 |
| 4752 | 4752 | 193 |
| 6629 | 6629 | 191 |
| 7320 | 7320 | 187 |
| 6511 | 6511 | 185 |
| 5223 | 5223 | 183 |
| 8520 | 7820 | 181 |
| 6419 | 6629 | 181 |
| 8423 | 8110 | 180 |
| 8559 | 8532 | 178 |
| 5610 | 5630 | 177 |
| 8730 | 8790 | 174 |
| 4778 | 4778 | 174 |
| 9311 | 9311 | 174 |
| 8610 | 8412 | 173 |
| 6201 | 6201 | 169 |
| 6612 | 6419 | 168 |
| 8621 | 8610 | 166 |
| 8891 | 8520 | 165 |
| 8730 | 8810 | 164 |
| 8710 | 8610 | 163 |
| 4321 | 4120 | 163 |
| 6832 | 6832 | 162 |
| 3511 | 3511 | 161 |
| 5630 | 5610 | 160 |
| 8542 | 8610 | 159 |
| 8520 | 8532 | 158 |
| 4669 | 4669 | 158 |
| 8520 | 8891 | 158 |
| 8299 | 8299 | 157 |
| 8520 | 8810 | 156 |
| 8610 | 8520 | 154 |
| 9499 | 9499 | 154 |
| 4759 | 4759 | 154 |
| 3600 | 3600 | 153 |
| 4771 | 4711 | 151 |
| 4772 | 4772 | 151 |
| 8110 | 8220 | 149 |
| 8430 | 8430 | 147 |
| 4939 | 4931 | 147 |
| 8121 | 8110 | 147 |
| 2910 | 2910 | 143 |
| 4771 | 8520 | 142 |
| 2120 | 2120 | 142 |
| 4646 | 4646 | 142 |
| 7820 | 4711 | 141 |
| 9312 | 9312 | 141 |
| 4399 | 4399 | 141 |
| 5813 | 5813 | 141 |
| 4120 | 4221 | 140 |
| 4773 | 4773 | 138 |
| 3811 | 3811 | 138 |
| 8423 | 8411 | 136 |
| 8520 | 8542 | 136 |
| 8520 | 8110 | 136 |
| 8720 | 8610 | 135 |
| 8790 | 8810 | 133 |
| 8899 | 8710 | 132 |
| 4931 | 4939 | 132 |
| 4762 | 4762 | 132 |
| 4764 | 4764 | 132 |
| 7820 | 6419 | 131 |
| 8520 | 9700 | 129 |
| 4639 | 4639 | 128 |
| 5630 | 8520 | 127 |
| 7022 | 7112 | 127 |
| 7820 | 8810 | 127 |
| 7311 | 7311 | 127 |
| 4531 | 4531 | 125 |
| 2120 | 7219 | 125 |
| 8010 | 8110 | 125 |
| 8532 | 8520 | 124 |
| 8730 | 8610 | 123 |
| 4711 | 7820 | 123 |
| 4322 | 4322 | 123 |
| 5814 | 5814 | 123 |
| 5630 | 4711 | 122 |
| 8710 | 8730 | 122 |
| 7500 | 7500 | 122 |
| 8790 | 8520 | 120 |
| 7219 | 2120 | 120 |
| 4711 | 5610 | 120 |
| 8520 | 8559 | 119 |
| 9602 | 9602 | 119 |
| 8520 | 8790 | 118 |
| 6419 | 6619 | 117 |
| 8730 | 8899 | 116 |
| 1812 | 1812 | 116 |
| 7010 | 7010 | 116 |
| 6202 | 6201 | 115 |
| 8220 | 8220 | 115 |
| 5621 | 5610 | 115 |
| 9700 | 9700 | 114 |
| 5630 | 5510 | 113 |
| 4724 | 4724 | 113 |
| 8899 | 8810 | 112 |
| 4651 | 4651 | 112 |
| 8411 | 8423 | 112 |
| 1089 | 1085 | 112 |
| 6311 | 6311 | 112 |
| 1039 | 1085 | 111 |
| 8423 | 8220 | 111 |
| 1071 | 1071 | 111 |
| 5229 | 5229 | 110 |
| 8810 | 8899 | 109 |
| 8110 | 8121 | 109 |
| 8623 | 8623 | 109 |
| 8610 | 8542 | 108 |
| 9609 | 9609 | 108 |
| 7810 | 7810 | 107 |
| 4742 | 4742 | 107 |
| 4511 | 4520 | 106 |
| 8810 | 8520 | 105 |
| 9700 | 8520 | 105 |
| 8520 | 8730 | 105 |
| 8520 | 5630 | 105 |
| 7732 | 7732 | 104 |
| 8790 | 8899 | 104 |
| 1082 | 1082 | 104 |
| 6190 | 6120 | 104 |
| 8810 | 8790 | 103 |
| 3011 | 3011 | 103 |
| 5530 | 5530 | 103 |
| 8542 | 8520 | 102 |
| 4711 | 8610 | 102 |
| 8810 | 8710 | 102 |
| 4711 | 4719 | 102 |
| 4711 | 5630 | 102 |
| 7111 | 7111 | 101 |
| 4711 | 4771 | 100 |
| 5229 | 5210 | 99 |
| 2651 | 2651 | 98 |
| 5510 | 5610 | 98 |
| 8730 | 8520 | 97 |
| 8121 | 4711 | 97 |
| 6612 | 6612 | 97 |
| 8520 | 8690 | 96 |
| 6492 | 6492 | 96 |
| 5610 | 5621 | 95 |
| 6201 | 6209 | 94 |
| 8532 | 8559 | 94 |
| 6820 | 8730 | 93 |
| 8520 | 4771 | 93 |
| 8610 | 8810 | 93 |
| 6020 | 6020 | 93 |
| 8899 | 8790 | 92 |
| 8790 | 8610 | 91 |
| 7711 | 7711 | 91 |
| 4645 | 4645 | 91 |
| 5621 | 8520 | 90 |
| 2811 | 2811 | 90 |
| 8520 | 9311 | 90 |
| 6832 | 8520 | 89 |
| 9491 | 9491 | 89 |
| 8690 | 8810 | 88 |
| 8411 | 8424 | 88 |
| 8621 | 8690 | 88 |
| 4520 | 4511 | 87 |
| 8559 | 8520 | 86 |
| 8610 | 8730 | 86 |
| 8610 | 8899 | 86 |
| 8899 | 8730 | 85 |
| 4775 | 4775 | 85 |
| 8899 | 8610 | 84 |
| 4674 | 4673 | 84 |
| 4649 | 4649 | 84 |
| 4777 | 4777 | 84 |
| 2540 | 2540 | 84 |
| 8412 | 8411 | 83 |
| 5610 | 7820 | 83 |
| 8541 | 8532 | 83 |
| 4120 | 4299 | 83 |
| 5610 | 8520 | 82 |
| 4719 | 4711 | 82 |
| 8790 | 8710 | 82 |
| 8541 | 8541 | 82 |
| 4711 | 8121 | 82 |
| 8532 | 8542 | 81 |
| 8790 | 8622 | 81 |
| 8810 | 8730 | 80 |
| 5610 | 4771 | 80 |
| 7820 | 7810 | 80 |
| 4771 | 4719 | 80 |
| 4762 | 4778 | 79 |
| 8899 | 8891 | 79 |
| 9311 | 8411 | 78 |
| 5610 | 5510 | 78 |
| 5621 | 8121 | 78 |
| 8690 | 8520 | 77 |
| 6419 | 4711 | 77 |
| 8810 | 8610 | 77 |
| 8610 | 8790 | 77 |
| 5630 | 7820 | 77 |
| 4633 | 1051 | 77 |
| 5629 | 5629 | 76 |
| 7490 | 7490 | 76 |
| 8110 | 4120 | 75 |
| 5110 | 5110 | 75 |
| 7820 | 8121 | 75 |
| 4531 | 4532 | 75 |
| 5911 | 6130 | 75 |
| 7739 | 7739 | 74 |
| 8710 | 8810 | 74 |
| 4791 | 4791 | 74 |
| 7820 | 5210 | 74 |
| 4791 | 5320 | 74 |
| 4719 | 4771 | 73 |
| 5911 | 5911 | 73 |
| 7120 | 7120 | 73 |
| 5510 | 5630 | 73 |
| 9499 | 8520 | 72 |
| 8520 | 6820 | 71 |
| 4776 | 4776 | 71 |
| 6419 | 8520 | 70 |
| 4329 | 4329 | 70 |
| 4711 | 6419 | 70 |
| 8121 | 7820 | 70 |
| 8542 | 8532 | 70 |
| 4674 | 4674 | 70 |
| 6629 | 6622 | 70 |
| 8720 | 8720 | 70 |
| 4719 | 8520 | 69 |
| 8110 | 7112 | 69 |
| 7820 | 8690 | 69 |
| 2120 | 8690 | 69 |
| 3600 | 8110 | 69 |
| 8520 | 5621 | 68 |
| 8520 | 8425 | 68 |
| 6202 | 6209 | 68 |
| 8411 | 9311 | 68 |
| 4332 | 4332 | 68 |
| 7112 | 4120 | 67 |
| 4639 | 4690 | 67 |
| 8520 | 9312 | 66 |
| 8520 | 9499 | 65 |
| 2562 | 2562 | 65 |
| 4941 | 5210 | 65 |
| 4761 | 4763 | 65 |
| 2410 | 2410 | 65 |
| 4771 | 8610 | 64 |
| 7820 | 8899 | 64 |
| 1051 | 1051 | 64 |
| 4531 | 5320 | 64 |
| 6420 | 4110 | 64 |
| 6820 | 8520 | 63 |
| 9312 | 8520 | 63 |
| 5510 | 4711 | 63 |
| 6832 | 6820 | 63 |
| 8121 | 5629 | 63 |
| 8129 | 8129 | 63 |
| 7820 | 6920 | 62 |
| 7022 | 7820 | 62 |
| 8810 | 8690 | 62 |
| 1089 | 1012 | 62 |
| 4771 | 5630 | 62 |
| 8110 | 8520 | 61 |
| 9311 | 8520 | 61 |
| 8520 | 8710 | 61 |
| 1920 | 4671 | 61 |
| 7490 | 7112 | 60 |
| 8730 | 6820 | 60 |
| 8891 | 8899 | 60 |
| 8690 | 8621 | 60 |
| 8121 | 8610 | 59 |
| 4771 | 7820 | 59 |
| 4690 | 4690 | 59 |
| 6512 | 6622 | 59 |
| 8121 | 8129 | 59 |
| 1721 | 1721 | 59 |
| 8710 | 8790 | 58 |
| 7112 | 7022 | 58 |
| 8610 | 4711 | 57 |
| 5621 | 4711 | 57 |
| 8720 | 8810 | 57 |
| 4120 | 4321 | 57 |
| 5811 | 5811 | 57 |
| 8810 | 7820 | 56 |
| 6420 | 4649 | 56 |
| 8520 | 5610 | 56 |
| 5610 | 8610 | 55 |
| 4666 | 4666 | 55 |
| 8520 | 8424 | 55 |
| 2511 | 2511 | 55 |
| 6391 | 6391 | 55 |
| 1089 | 1013 | 55 |
| 6209 | 6202 | 54 |
| 7820 | 5630 | 54 |
| 9412 | 9412 | 53 |
| 6201 | 6202 | 53 |
| 4634 | 4634 | 53 |
| 4771 | 4772 | 53 |
| 1012 | 1013 | 53 |
| 7810 | 8520 | 52 |
| 8520 | 8299 | 52 |
| 4771 | 6419 | 52 |
| 6621 | 6621 | 52 |
| 4222 | 4222 | 52 |
| 7820 | 8299 | 51 |
| 8010 | 5629 | 51 |
| 8790 | 7820 | 51 |
| 8121 | 5621 | 51 |
| 4753 | 4753 | 51 |
| 9601 | 9601 | 51 |
| 8690 | 8710 | 50 |
| 8532 | 8531 | 50 |
| 4649 | 6420 | 50 |
| 7820 | 5610 | 50 |
| 8121 | 5610 | 50 |
| 7820 | 8730 | 49 |
| 6419 | 7820 | 49 |
| 6622 | 6629 | 49 |
| 5630 | 8610 | 48 |
| 8520 | 6920 | 48 |
| 6619 | 6419 | 48 |
| 6492 | 6419 | 48 |
| 8730 | 7820 | 48 |
| 5630 | 4771 | 48 |
| 4711 | 8810 | 48 |
| 4532 | 4532 | 48 |
| 4742 | 6190 | 47 |
| 4322 | 4120 | 47 |
| 7820 | 4941 | 47 |
| 6512 | 6629 | 47 |
| 4939 | 4939 | 47 |
| 4652 | 4652 | 47 |
| 4730 | 4730 | 47 |
| 7820 | 5320 | 47 |
| 4651 | 9511 | 47 |
| 8510 | 8520 | 46 |
| 3030 | 2651 | 46 |
| 8520 | 5629 | 46 |
| 8542 | 7820 | 46 |
| 8710 | 8690 | 46 |
| 8411 | 8899 | 46 |
| 8532 | 8541 | 46 |
| 1089 | 1089 | 46 |
| 5629 | 8121 | 46 |
| 8129 | 8121 | 46 |
| 8790 | 8720 | 46 |
| 5510 | 8520 | 45 |
| 4719 | 8610 | 45 |
| 7500 | 8411 | 45 |
| 6920 | 7820 | 45 |
| 4719 | 7820 | 45 |
| 4671 | 4671 | 45 |
| 6612 | 6619 | 45 |
| 8520 | 8510 | 45 |
| 6629 | 6512 | 45 |
| 1013 | 1013 | 45 |
| 7022 | 6920 | 44 |
| 7820 | 8542 | 44 |
| 4711 | 8730 | 44 |
| 5510 | 7820 | 44 |
| 7820 | 4771 | 44 |
| 4764 | 4771 | 44 |
| 4711 | 5510 | 44 |
| 4711 | 9200 | 44 |
| 7320 | 7311 | 44 |
| 1013 | 1089 | 44 |
| 4771 | 4764 | 44 |
| 6920 | 8520 | 43 |
| 4764 | 4711 | 43 |
| 4120 | 6820 | 43 |
| 8559 | 8531 | 43 |
| 8710 | 7820 | 43 |
| 4941 | 7820 | 43 |
| 8790 | 8690 | 43 |
| 7112 | 7490 | 43 |
| 8411 | 7500 | 43 |
| 2361 | 2363 | 43 |
| 5210 | 5320 | 43 |
| 4339 | 4339 | 43 |
| 4779 | 4779 | 43 |
| 8710 | 8520 | 42 |
| 8690 | 7820 | 42 |
| 8899 | 7820 | 42 |
| 2223 | 2223 | 42 |
| 6420 | 6420 | 42 |
| 5610 | 8121 | 42 |
| 8730 | 8720 | 42 |
| 4762 | 4711 | 41 |
| 4711 | 8542 | 41 |
| 7820 | 8710 | 41 |
| 4772 | 4771 | 41 |
| 7820 | 6202 | 41 |
| 8121 | 8010 | 41 |
| 4778 | 4719 | 41 |
| 5621 | 5630 | 41 |
| 8121 | 5630 | 41 |
| 6419 | 6512 | 41 |
| 8413 | 8413 | 41 |
| 4110 | 4110 | 41 |
| 8130 | 8130 | 41 |
| 8425 | 8520 | 40 |
| 4941 | 4711 | 40 |
| 8520 | 6419 | 40 |
| 3250 | 3250 | 40 |
| 8520 | 4719 | 40 |
| 3011 | 6420 | 40 |
| 5630 | 8121 | 40 |
| 4672 | 4672 | 40 |
| 1071 | 1039 | 40 |
| 3822 | 3822 | 40 |
| 5630 | 6419 | 39 |
| 6820 | 8790 | 39 |
| 7820 | 8790 | 39 |
| 8559 | 7820 | 39 |
| 7820 | 4719 | 39 |
| 8520 | 8541 | 39 |
| 4771 | 5610 | 39 |
| 7022 | 8520 | 38 |
| 7820 | 8411 | 38 |
| 8121 | 8810 | 38 |
| 8531 | 8532 | 38 |
| 4711 | 9499 | 38 |
| 8542 | 8559 | 38 |
| 4711 | 4730 | 38 |
| 4211 | 4211 | 38 |
| 2363 | 2363 | 38 |
| 7820 | 7022 | 38 |
| 8110 | 7022 | 38 |
| 3821 | 3821 | 38 |
| 8412 | 8520 | 37 |
| 7820 | 6190 | 37 |
| 7820 | 6820 | 37 |
| 7219 | 8542 | 37 |
| 4711 | 8899 | 37 |
| 4120 | 3600 | 37 |
| 2229 | 2229 | 37 |
| 1623 | 1623 | 37 |
| 5510 | 8121 | 37 |
| 8899 | 8559 | 37 |
| 2361 | 7010 | 37 |
| 8520 | 7022 | 37 |
| 4642 | 4642 | 37 |
| 4120 | 4110 | 37 |
| 1039 | 1039 | 37 |
| 8299 | 8520 | 36 |
| 7820 | 8532 | 36 |
| 5621 | 8899 | 36 |
| 4646 | 7219 | 36 |
| 5222 | 5222 | 36 |
| 1071 | 4724 | 36 |
| 6622 | 6512 | 36 |
| 3521 | 3521 | 36 |
| 7820 | 8110 | 36 |
| 5621 | 8110 | 36 |
| 6130 | 6130 | 36 |
| 3311 | 3040 | 36 |
| 7112 | 8520 | 35 |
| 4120 | 8520 | 35 |
| 2562 | 7112 | 35 |
| 6511 | 6419 | 35 |
| 4642 | 4771 | 35 |
| 8891 | 8810 | 35 |
| 4711 | 5621 | 35 |
| 7820 | 2910 | 35 |
| 8110 | 3011 | 35 |
| 4633 | 4633 | 35 |
| 5814 | 5811 | 35 |
| 9313 | 9313 | 35 |
| 7219 | 6920 | 34 |
| 8690 | 8790 | 34 |
| 2932 | 2932 | 34 |
| 9104 | 9104 | 34 |
| 8610 | 8121 | 34 |
| 8531 | 8559 | 34 |
| 7820 | 8559 | 34 |
| 9102 | 9102 | 34 |
| 9511 | 9511 | 34 |
| 8423 | 8520 | 33 |
| 8623 | 8610 | 33 |
| 8520 | 4120 | 33 |
| 8520 | 5510 | 33 |
| 7820 | 5510 | 33 |
| 9499 | 8899 | 33 |
| 8291 | 8291 | 33 |
| 7820 | 7311 | 33 |
| 4321 | 2562 | 33 |
| 6612 | 6630 | 33 |
| 6630 | 6630 | 33 |
| 2829 | 2829 | 33 |
| 8510 | 8510 | 33 |
| 8010 | 8121 | 33 |
| 9001 | 9001 | 33 |
| 8621 | 8520 | 32 |
| 8541 | 8520 | 32 |
| 4321 | 7112 | 32 |
| 6419 | 6920 | 32 |
| 6820 | 4120 | 32 |
| 8299 | 7820 | 32 |
| 5320 | 7820 | 32 |
| 2042 | 7219 | 32 |
| 4531 | 4511 | 32 |
| 8520 | 8621 | 32 |
| 5320 | 4941 | 32 |
| 7112 | 2562 | 32 |
| 6420 | 2562 | 32 |
| 7112 | 4321 | 32 |
| 4719 | 5610 | 32 |
| 2363 | 2361 | 32 |
| 4321 | 8110 | 32 |
| 4321 | 7022 | 32 |
| 8520 | 6832 | 32 |
| 8810 | 9700 | 32 |
| 4711 | 8411 | 31 |
| 5630 | 8542 | 31 |
| 4719 | 6419 | 31 |
| 7820 | 5629 | 31 |
| 4616 | 4771 | 31 |
| 6209 | 6201 | 31 |
| 7820 | 4791 | 31 |
| 7820 | 6910 | 31 |
| 4631 | 4631 | 31 |
| 4771 | 8891 | 31 |
| 5914 | 5914 | 31 |
| 7010 | 811 | 31 |
| 8122 | 8122 | 31 |
| 9312 | 9313 | 31 |
| 210 | 210 | 31 |
| 4799 | 4799 | 31 |
| 4741 | 4741 | 31 |
| 1013 | 147 | 31 |
| 5629 | 8520 | 30 |
| 7490 | 8520 | 30 |
| 5813 | 8520 | 30 |
| 8520 | 7112 | 30 |
| 8559 | 8542 | 30 |
| 4711 | 8531 | 30 |
| 8542 | 8531 | 30 |
| 8532 | 7820 | 30 |
| 8299 | 8899 | 30 |
| 8690 | 8899 | 30 |
| 8520 | 9200 | 30 |
| 7820 | 8220 | 30 |
| 4674 | 4690 | 30 |
| 8610 | 5630 | 30 |
| 2892 | 2892 | 30 |
| 8541 | 8559 | 30 |
| 3700 | 3700 | 30 |
| 2361 | 811 | 30 |
| 510 | 510 | 30 |
| 9312 | 9311 | 30 |
| 3511 | 3822 | 30 |
| 8899 | 9700 | 30 |
| 6419 | 6492 | 30 |
| 2363 | 2332 | 30 |
| 8424 | 8520 | 29 |
| 9200 | 8520 | 29 |
| 9609 | 8520 | 29 |
| 8531 | 4711 | 29 |
| 7820 | 7112 | 29 |
| 8790 | 6820 | 29 |
| 4711 | 6920 | 29 |
| 8899 | 8542 | 29 |
| 8622 | 8622 | 29 |
| 4711 | 8710 | 29 |
| 9700 | 8810 | 29 |
| 8730 | 8690 | 29 |
| 8899 | 8690 | 29 |
| 5629 | 5621 | 29 |
| 8899 | 5621 | 29 |
| 1101 | 1101 | 29 |
| 4761 | 4761 | 29 |
| 4532 | 4520 | 29 |
| 4771 | 4778 | 29 |
| 8891 | 8510 | 29 |
| 8520 | 8220 | 29 |
| 8122 | 8121 | 29 |
| 2712 | 2712 | 29 |
| 6419 | 7022 | 29 |
| 8810 | 4711 | 28 |
| 8899 | 4711 | 28 |
| 8891 | 4711 | 28 |
| 4752 | 4711 | 28 |
| 5813 | 4711 | 28 |
| 6202 | 6190 | 28 |
| 8899 | 8411 | 28 |
| 8531 | 8542 | 28 |
| 8541 | 8542 | 28 |
| 8690 | 8730 | 28 |
| 8610 | 8622 | 28 |
| 6920 | 6419 | 28 |
| 7112 | 7820 | 28 |
| 4711 | 8690 | 28 |
| 5621 | 5510 | 28 |
| 8520 | 6910 | 28 |
| 8520 | 4299 | 28 |
| 4322 | 4321 | 28 |
| 8411 | 8412 | 28 |
| 2120 | 4646 | 28 |
| 4719 | 8121 | 28 |
| 1105 | 4634 | 28 |
| 4719 | 5630 | 28 |
| 4724 | 1071 | 28 |
| 9319 | 9319 | 28 |
| 2446 | 2446 | 28 |
| 2361 | 2332 | 28 |
| 9700 | 8610 | 27 |
| 5610 | 8542 | 27 |
| 4711 | 8790 | 27 |
| 3030 | 3316 | 27 |
| 5210 | 7820 | 27 |
| 3822 | 7219 | 27 |
| 8810 | 9499 | 27 |
| 8412 | 8621 | 27 |
| 8121 | 4719 | 27 |
| 7112 | 7111 | 27 |
| 8810 | 8891 | 27 |
| 6419 | 6831 | 27 |
| 8220 | 6512 | 27 |
| 3320 | 3320 | 27 |
| 3030 | 7010 | 27 |
| 6920 | 7022 | 27 |
| 6499 | 6499 | 27 |
| 4724 | 1082 | 27 |
| 9329 | 9329 | 27 |
| 4120 | 6832 | 27 |
| 8121 | 8122 | 27 |
| 7912 | 7912 | 27 |
| 1013 | 1011 | 27 |
| 9200 | 4711 | 26 |
| 8622 | 8610 | 26 |
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