Size of set of large itemsets L(1): 49

Large Itemsets L(1):

|  |  |
| --- | --- |
| Itemset | Sup |
| ar=y | 4610 |
| az=y | 6778 |
| ca=y | 11676 |
| co=y | 5465 |
| ct=y | 4391 |
| de=y | 3630 |
| fl=y | 6621 |
| ga=y | 5942 |
| hi=y | 3804 |
| id=y | 5129 |
| il=y | 5167 |
| in=y | 4440 |
| ia=y | 3652 |
| ks=y | 3869 |
| ky=y | 4555 |
| la=y | 5154 |
| me=y | 3969 |
| md=y | 5108 |
| ma=y | 4963 |
| mi=y | 4734 |
| mn=y | 3929 |
| ms=y | 4815 |
| mo=y | 4638 |
| mt=y | 4800 |
| nv=y | 5670 |
| nh=y | 3635 |
| nj=y | 4822 |
| nm=y | 6403 |
| ny=y | 5773 |
| nc=y | 5926 |
| oh=y | 4772 |
| ok=y | 4651 |
| or=y | 7028 |
| pa=y | 5474 |
| pr=y | 4781 |
| sc=y | 5432 |
| tn=y | 4900 |
| tx=y 8483 |  |
| ut=y | 6041 |
| vt=y | 3713 |
| va=y | 5638 |
| wa=y | 5654 |
| wv=y | 4062 |
| wi=y | 4321 |
| wy=y | 4710 |
| al=y | 5702 |
| bc=y | 4875 |
| on=y | 5068 |
| qc=y | 4272 |

Size of set of large itemsets L(2): 167

Large Itemsets L(2):

|  |  |
| --- | --- |
| Itemset | Sup |
| ar=y ga=y | 3566 |
| ar=y la=y | 3575 |
| ar=y mo=y | 3664 |
| ar=y nc=y | 3480 |
| ar=y ok=y | 3561 |
| ar=y tn=y | 3565 |
| ar=y tx=y | 3668 |
| ar=y al=y | 3620 |
| az=y ca=y | 3868 |
| az=y nm=y | 4723 |
| az=y ut=y | 3858 |
| ca=y id=y | 3564 |
| ca=y nv=y | 4701 |
| ca=y or=y | 5522 |
| ca=y ut=y | 3852 |
| ca=y wa=y | 4086 |
| co=y nm=y | 3932 |
| co=y ut=y | 4005 |
| co=y wy=y | 3841 |
| ct=y md=y | 3521 |
| ct=y ma=y | 3999 |
| ct=y mi=y | 3498 |
| ct=y nj=y | 3747 |
| ct=y ny=y | 4132 |
| ct=y oh=y | 3549 |
| ct=y pa=y | 3940 |
| ct=y va=y | 3526 |
| fl=y ga=y | 4252 |
| fl=y la=y | 3845 |
| fl=y ms=y | 3769 |
| fl=y nc=y | 3696 |
| fl=y sc=y | 3911 |
| fl=y tx=y | 3650 |
| fl=y al=y | 4161 |
| ga=y ky=y | 3560 |
| ga=y la=y | 3989 |
| ga=y md=y | 3663 |
| ga=y ms=y | 4219 |
| ga=y nc=y | 4833 |
| ga=y sc=y | 4821 |
| ga=y tn=y | 3979 |
| ga=y tx=y | 3612 |
| ga=y va=y | 4251 |
| ga=y al=y | 4931 |
| id=y mt=y | 3906 |
| id=y or=y | 4199 |
| id=y wa=y | 3969 |
| il=y in=y | 4134 |
| il=y ky=y | 3765 |
| il=y md=y | 3737 |
| il=y ma=y | 3556 |
| il=y mi=y | 3789 |
| il=y mo=y | 3979 |
| il=y nj=y | 3651 |
| il=y ny=y | 3985 |
| il=y nc=y | 3612 |
| il=y oh=y | 4085 |
| il=y pa=y | 4050 |
| il=y tn=y | 3695 |
| il=y va=y | 3903 |
| il=y wi=y | 3644 |
| il=y on=y | 3581 |
| in=y ky=y | 3561 |
| in=y md=y | 3535 |
| in=y mi=y | 3554 |
| in=y mo=y | 3489 |
| in=y ny=y | 3677 |
| in=y oh=y | 3905 |
| in=y pa=y | 3781 |
| in=y va=y | 3653 |
| ky=y md=y | 3628 |
| ky=y mo=y | 3553 |
| ky=y nc=y | 3768 |
| ky=y oh=y | 3647 |
| ky=y pa=y | 3655 |
| ky=y tn=y | 3986 |
| ky=y va=y | 3938 |
| ky=y al=y | 3489 |
| la=y ms=y | 4077 |
| la=y nc=y | 3701 |
| la=y sc=y | 3784 |
| la=y tx=y | 4204 |
| la=y al=y | 4091 |
| me=y ny=y | 3613 |
| md=y ma=y | 3642 |
| md=y nj=y | 4005 |
| md=y ny=y | 4055 |
| md=y nc=y | 4162 |
| md=y oh=y | 3764 |
| md=y pa=y | 4219 |
| md=y sc=y | 3537 |
| md=y tn=y | 3747 |
| md=y va=y | 4455 |
| md=y wv=y | 3614 |
| md=y al=y | 3491 |
| ma=y mi=y | 3636 |
| ma=y nj=y | 3858 |
| ma=y ny=y | 4372 |
| ma=y oh=y | 3654 |
| ma=y pa=y | 4135 |
| ma=y va=y | 3652 |
| ma=y on=y | 3653 |
| mi=y ny=y | 4085 |
| mi=y oh=y | 3758 |
| mi=y pa=y | 3869 |
| mi=y wi=y | 3816 |
| mi=y on=y | 4007 |
| ms=y nc=y | 3912 |
| ms=y sc=y | 3959 |
| ms=y tx=y | 3660 |
| ms=y va=y | 3566 |
| ms=y al=y | 4343 |
| mo=y tn=y | 3529 |
| mo=y va=y | 3511 |
| mt=y or=y | 3495 |
| mt=y wa=y | 3535 |
| mt=y wy=y | 3819 |
| nv=y or=y | 3500 |
| nv=y ut=y | 4019 |
| nj=y ny=y | 4254 |
| nj=y nc=y | 3763 |
| nj=y oh=y | 3711 |
| nj=y pa=y | 4249 |
| nj=y va=y | 4036 |
| nm=y tx=y | 3924 |
| nm=y ut=y | 3596 |
| ny=y nc=y | 3758 |
| ny=y oh=y | 4100 |
| ny=y pa=y | 4652 |
| ny=y vt=y | 3510 |
| ny=y va=y | 4089 |
| ny=y wv=y | 3483 |
| ny=y wi=y | 3709 |
| ny=y on=y | 4094 |
| nc=y oh=y | 3550 |
| nc=y pa=y | 3949 |
| nc=y sc=y | 4800 |
| nc=y tn=y | 4207 |
| nc=y va=y | 4854 |
| nc=y wv=y | 3485 |
| nc=y al=y | 4475 |
| oh=y pa=y | 4206 |
| oh=y tn=y | 3563 |
| oh=y va=y | 3883 |
| oh=y wv=y | 3557 |
| oh=y on=y | 3565 |
| ok=y tx=y | 4104 |
| or=y wa=y | 4959 |
| or=y bc=y | 3679 |
| pa=y tn=y | 3670 |
| pa=y va=y | 4281 |
| pa=y wv=y | 3707 |
| pa=y wi=y | 3518 |
| pa=y on=y | 3759 |
| sc=y tn=y | 3695 |
| sc=y tx=y | 3479 |
| sc=y va=y | 4169 |
| sc=y al=y | 4498 |
| tn=y va=y | 4228 |
| tn=y al=y | 3880 |
| tx=y al=y | 3746 |
| ut=y wy=y | 3495 |
| va=y wv=y | 3760 |
| va=y al=y | 4047 |
| wa=y bc=y | 3908 |
| wi=y on=y | 3667 |
| on=y qc=y | 3816 |

Size of set of large itemsets L(3): 116

Large Itemsets L(3):

|  |  |
| --- | --- |
| Itemset | Sup |
| ca=y or=y wa=y | 3963 |
| ct=y ma=y nj=y | 3562 |
| ct=y ma=y ny=y | 3879 |
| ct=y ma=y pa=y | 3713 |
| ct=y nj=y ny=y | 3672 |
| ct=y nj=y pa=y | 3585 |
| ct=y ny=y pa=y | 3841 |
| fl=y ga=y ms=y | 3538 |
| fl=y ga=y nc=y | 3512 |
| fl=y ga=y sc=y | 3726 |
| fl=y ga=y al=y | 3852 |
| fl=y la=y al=y | 3491 |
| fl=y ms=y al=y | 3599 |
| fl=y nc=y sc=y | 3522 |
| fl=y sc=y al=y | 3638 |
| ga=y la=y ms=y | 3668 |
| ga=y la=y nc=y | 3485 |
| ga=y la=y sc=y | 3596 |
| ga=y la=y al=y | 3763 |
| ga=y md=y nc=y | 3551 |
| ga=y md=y va=y | 3556 |
| ga=y ms=y nc=y | 3750 |
| ga=y ms=y sc=y | 3827 |
| ga=y ms=y al=y | 4049 |
| ga=y nc=y sc=y | 4447 |
| ga=y nc=y tn=y | 3724 |
| ga=y nc=y va=y | 4124 |
| ga=y nc=y al=y | 4246 |
| ga=y sc=y tn=y | 3517 |
| ga=y sc=y va=y | 3882 |
| ga=y sc=y al=y | 4322 |
| ga=y tn=y va=y | 3648 |
| ga=y tn=y al=y | 3603 |
| ga=y va=y al=y | 3788 |
| id=y or=y wa=y | 3693 |
| il=y in=y ny=y | 3489 |
| il=y in=y oh=y | 3724 |
| il=y in=y pa=y | 3582 |
| il=y md=y pa=y | 3491 |
| il=y md=y va=y | 3505 |
| il=y nj=y pa=y | 3499 |
| il=y ny=y oh=y | 3624 |
| il=y ny=y pa=y | 3714 |
| il=y oh=y pa=y | 3722 |
| il=y oh=y va=y | 3502 |
| il=y pa=y va=y | 3535 |
| in=y ny=y oh=y | 3478 |
| in=y ny=y pa=y | 3505 |
| in=y oh=y pa=y | 3594 |
| ky=y md=y va=y | 3513 |
| ky=y nc=y tn=y | 3555 |
| ky=y nc=y va=y | 3614 |
| ky=y tn=y va=y | 3647 |
| la=y ms=y sc=y | 3503 |
| la=y ms=y tx=y | 3487 |
| la=y ms=y al=y | 3767 |
| la=y nc=y sc=y | 3483 |
| la=y sc=y al=y | 3561 |
| md=y ma=y ny=y | 3534 |
| md=y nj=y ny=y | 3687 |
| md=y nj=y nc=y | 3528 |
| md=y nj=y pa=y | 3730 |
| md=y nj=y va=y | 3764 |
| md=y ny=y pa=y | 3825 |
| md=y ny=y va=y | 3710 |
| md=y nc=y pa=y | 3613 |
| md=y nc=y tn=y | 3531 |
| md=y nc=y va=y | 4026 |
| md=y oh=y pa=y | 3622 |
| md=y oh=y va=y | 3538 |
| md=y pa=y va=y | 3892 |
| md=y tn=y va=y | 3657 |
| md=y va=y wv=y | 3485 |
| ma=y mi=y ny=y | 3540 |
| ma=y nj=y ny=y | 3760 |
| ma=y nj=y pa=y | 3658 |
| ma=y ny=y oh=y | 3553 |
| ma=y ny=y pa=y | 3970 |
| ma=y ny=y va=y | 3521 |
| ma=y ny=y on=y | 3537 |
| ma=y oh=y pa=y | 3525 |
| mi=y ny=y oh=y | 3538 |
| mi=y ny=y pa=y | 3707 |
| mi=y ny=y wi=y | 3488 |
| mi=y ny=y on=y | 3663 |
| mi=y oh=y pa=y | 3520 |
| mi=y wi=y on=y | 3492 |
| ms=y nc=y sc=y | 3698 |
| ms=y nc=y al=y | 3733 |
| ms=y sc=y al=y | 3805 |
| nj=y ny=y oh=y | 3556 |
| nj=y ny=y pa=y | 3985 |
| nj=y ny=y va=y | 3671 |
| nj=y nc=y va=y | 3612 |
| nj=y oh=y pa=y | 3615 |
| nj=y pa=y va=y | 3717 |
| ny=y nc=y pa=y | 3515 |
| ny=y nc=y va=y | 3577 |
| ny=y oh=y pa=y | 3887 |
| ny=y oh=y va=y | 3501 |
| ny=y pa=y va=y | 3831 |
| ny=y pa=y on=y | 3628 |
| nc=y pa=y va=y | 3751 |
| nc=y sc=y tn=y | 3580 |
| nc=y sc=y va=y | 4068 |
| nc=y sc=y al=y | 4148 |
| nc=y tn=y va=y | 3964 |
| nc=y tn=y al=y | 3524 |
| nc=y va=y al=y | 3864 |
| oh=y pa=y va=y | 3671 |
| or=y wa=y bc=y | 3560 |
| pa=y tn=y va=y | 3516 |
| pa=y va=y wv=y | 3494 |
| sc=y tn=y va=y | 3480 |
| sc=y va=y al=y | 3682 |
| tn=y va=y al=y | 3502 |

Size of set of large itemsets L(4): 25

Large Itemsets L(4):

|  |  |
| --- | --- |
| Itemset | Sup |
| ct=y ma=y nj=y ny=y | 3524 |
| ct=y ma=y ny=y pa=y | 3658 |
| ct=y nj=y ny=y pa=y | 3537 |
| fl=y ga=y sc=y al=y | 3532 |
| ga=y la=y ms=y al=y | 3549 |
| ga=y md=y nc=y va=y | 3484 |
| ga=y ms=y nc=y sc=y | 3612 |
| ga=y ms=y nc=y al=y | 3635 |
| ga=y ms=y sc=y al=y | 3719 |
| ga=y nc=y sc=y va=y | 3825 |
| ga=y nc=y sc=y al=y | 4038 |
| ga=y nc=y tn=y va=y | 3559 |
| ga=y nc=y va=y al=y | 3694 |
| ga=y sc=y va=y al=y | 3579 |
| il=y ny=y oh=y pa=y | 3483 |
| md=y nj=y ny=y pa=y | 3550 |
| md=y nj=y pa=y va=y | 3528 |
| md=y ny=y pa=y va=y | 3555 |
| md=y nc=y pa=y va=y | 3532 |
| md=y nc=y tn=y va=y | 3489 |
| ma=y nj=y ny=y pa=y | 3597 |
| ms=y nc=y sc=y al=y | 3572 |
| nj=y ny=y oh=y pa=y | 3491 |
| nj=y ny=y pa=y va=y | 3519 |
| nc=y sc=y va=y al=y | 3608 |

Size of set of large itemsets L(5): 2

Large Itemsets L(5):

|  |  |
| --- | --- |
| Itemset | Sup |
| ga=y ms=y nc=y sc=y al=y | 3519 |
| ga=y nc=y sc=y va=y al=y | 3529 |