

Subsets of {a, b, c, d, e, f}

{a}	{b}	{c}	{d}	{e}	{f}	6
{ab}	{ac}	{ad}	{ae}	{af}		5
{bc}	{bd}	{be}	{bf}			4
{cd}	{ce}	{cf}				3
{de}	{df}					2
{ef}						1
{abc}	{abd}	{abe}	{abf}			4
{acd}	{ace}	{acf}				3
{ade}	{adf}					2
{aef}						1
{bcd}	{bce}	{bcf}				3
{bde}	{bdf}					2
{bef}						1
{cde}	{cdf}					2
{cef}						1
{def}						1
{abcd}	{abce}	{abcf}	{abef}	{abdf}		5
{acde}	{acdf}	{acef}	{abde}			4
{ade}						1
{bcde}	{bcdf}	{bcef}				3
{bdef}						1
{cdef}						1
{abcde}	{abcdf}	{abcef}	{abdef}			4
{acdef}						1
{bcdef}						1
{}						1
{abcdef}						1

Now for proper subsets we could not count the last subset.