Análisis de números de Mersenne

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M	4pk+?	Xp=(p-1)/2	Xm=(M-1)/(2p)
2^2-1		0=	
2^3-1	4k+3	1=	
2^5-1	4k+1	2=2	3
2^7-1	4k+3	3=3	3^2
$2^{11}-1$	4k+3	5=5	$3*31$
$2^{13}-1$	4k+1	6=2*3	3^2*5*7
$2^{17}-1$	4k+1	8=2^3	$3*5*257$
$2^{19}-1$	4k+3	9=3^2	3^3*7*73
$2^{23}-1$	4k+3	11=11	$3*89*683$
$2^{29}-1$	4k+1	14=2*7	$3*5*43*113*127$
$2^{31}-1$	4k+3	15=3*5	$3^2*7*11*151*331$
$2^{37}-1$	4k+1	18=2*3^2	$3^3*5*7*13*19*73*109$
$2^{41}-1$	4k+1	20=2^2*5	$3*5^2*11*17*31*61681$
$2^{43}-1$	4k+3	21=3*7	$3^2*7^2*127*337*5419$
$2^{47}-1$	4k+3	23=23	$3*178481*2796203$
$2^{53}-1$	4k+1	26=2*13	$3*5*157*1613*2731*8191$
$2^{59}-1$	4k+3	29=29	$3*233*1103*2089*3033169$
$2^{61}-1$	4k+1	30=2*3*5	$3^2*5^2*7*11*13*31*41*151*331*1321$
$2^{67}-1$	4k+3	33=3*11	$3^2*7*23*89*683*20857*599479$
$2^{71}-1$	4k+3	35=5*7	$3*11*31*43*127*281*86171*122921$
$2^{73}-1$	4k+1	36=2^2*3^2	$3^3*5*7*13*17*19*37*109*241*433*38737$
$2^{79}-1$	4k+3	39=3*13	$3^2*7*2731*8191*121369*22366891$
$2^{83}-1$	4k+3	41=41	$3*13367*164511353*8831418697$
$2^{89}-1$	4k+1	44=2^2*11	$3*5*17*23*353*397*683*2113*2931542417$
$2^{97}-1$	4k+1	48=2^4*3	$3^2*5*7*13*17*193*241*257*673*65537*22253377$
$2^{101}-1$	4k+1	50=2*5^2	$3*5^3*11*31*41*251*601*1801*4051*8101*268501$
$2^{103}-1$	4k+3	51=3*17	$3^2*7*307*2143*2857*6529*11119*43691*131071$
$2^{107}-1$	4k+3	53=53	$3*6361*69431*20394401*28059810762433$
$2^{109}-1$	4k+1	54=2*3^3	$3^4*5*7*13*19*37*73*87211*246241*262657*279073$
$2^{113}-1$	4k+1	56=2^3*7	$3*5*17*29*43*127*257*5153*15790321*54410972897$
$2^{127}-1$	4k+3	63=3^2*7	$3^3*7^2*19*43*73*337*5419*92737*649657*77158673929$
$2^{131}-1$	4k+3	65=5*13	$3*11*31*2731*8191*409891*7623851*145295143558111$
$2^{137}-1$	4k+1	68=2^2*17	$3*5*17^2*953*26317*43691*131071*354689*2879347902817$