

wildcard and fam formula

*wildcard and *fam

*1		*3		*7		*9	
*fam01	*fam11	*fam13	*fam23	*fam07	*fam17	*fam19	*fam29
sub-keys01	sub-keys11	sub-keys13	sub-keys23	sub-keys07	sub-keys17	sub-keys19	sub-keys29
sub-keys01	sub-keys11	sub-keys13	sub-keys23	sub-keys07	sub-keys17	sub-keys19	sub-keys29
sub01fam01 = 1	sub11fam11 = 1	sub13fam13 = 1	sub23fam23 = 1	sub07fam07 = 1	sub17fam17 = 1	sub19fam19 = 1	sub29fam29 = 1
sub01fam07 = 7	sub11fam23 = 7	sub13fam19 = 7	sub23fam29 = 7	sub07fam01 = 7	sub17fam11 = 7	sub19fam07 = 7	sub29fam23 = 7
sub01fam11 = 11	sub11fam01 = 11	sub13fam23 = 11	sub23fam13 = 11	sub07fam17 = 11	sub17fam07 = 11	sub19fam29 = 11	sub29fam19 = 11
sub01fam13 = 13	sub11fam17 = 13	sub13fam01 = 13	sub23fam11 = 13	sub07fam19 = 13	sub17fam29 = 13	sub19fam13 = 13	sub29fam17 = 13
sub01fam17 = 17	sub11fam13 = 17	sub13fam29 = 17	sub23fam19 = 17	sub07fam11 = 17	sub17fam01 = 17	sub19fam17 = 17	sub29fam13 = 17
sub01fam19 = 19	sub11fam29 = 19	sub13fam07 = 19	sub23fam17 = 19	sub07fam13 = 19	sub17fam23 = 19	sub19fam01 = 19	sub29fam11 = 19
sub01fam23 = 23	sub11fam07 = 23	sub13fam11 = 23	sub23fam01 = 23	sub07fam29 = 23	sub17fam19 = 23	sub19fam23 = 23	sub29fam07 = 23
sub01fam29 = 29	sub11fam19 = 29	sub13fam17 = 29	sub23fam07 = 29	sub07fam23 = 29	sub17fam13 = 29	sub19fam11 = 29	sub29fam01 = 29

Loop thru the sub-key and add 30 to the sub-key each loop.

Test for: if (((PS / sub??fam??) % 1) == 0)

If zero record factor.

‘just another 30 away’

Diagram showing the uniqueness of the sub-keys and its data. Each matrix is a *pair. Sort order is by key data order
See TioCash.pdf - Sorted Headings p330 - Dynamic *fam Matrix Headings p 334

(*fam01 & *fam29)

sub-keys01	sub-keys07	sub-keys11	sub-keys13	sub-keys17	sub-keys19	sub-keys23	sub-keys29
sub01fam01 = 1	sub07fam07 = 1	sub11fam11 = 1	sub13fam13 = 1	sub17fam17 = 1	sub19fam19 = 1	sub23fam23 = 1	sub29fam29 = 1
sub01fam07 = 7	sub07fam01 = 7	sub11fam23 = 7	sub13fam19 = 7	sub17fam11 = 7	sub19fam07 = 7	sub23fam29 = 7	sub29fam23 = 7
sub01fam11 = 11	sub07fam17 = 11	sub11fam01 = 11	sub13fam23 = 11	sub17fam07 = 11	sub19fam29 = 11	sub23fam13 = 11	sub29fam19 = 11
sub01fam13 = 13	sub07fam19 = 13	sub11fam17 = 13	sub13fam01 = 13	sub17fam29 = 13	sub19fam13 = 13	sub23fam11 = 13	sub29fam17 = 13
sub01fam17 = 17	sub07fam11 = 17	sub11fam13 = 17	sub13fam29 = 17	sub17fam01 = 17	sub19fam17 = 17	sub23fam19 = 17	sub29fam13 = 17
sub01fam19 = 19	sub07fam13 = 19	sub11fam29 = 19	sub13fam07 = 19	sub17fam23 = 19	sub19fam01 = 19	sub23fam17 = 19	sub29fam11 = 19
sub01fam23 = 23	sub07fam29 = 23	sub11fam07 = 23	sub13fam11 = 23	sub17fam19 = 23	sub19fam23 = 23	sub23fam01 = 23	sub29fam07 = 23
sub01fam29 = 29	sub07fam23 = 29	sub11fam19 = 29	sub13fam17 = 29	sub17fam13 = 29	sub19fam11 = 29	sub23fam07 = 29	sub29fam01 = 29

(*fam07 and * fam23

sub-keys01	sub-keys07	sub-keys11	sub-keys13	sub-keys17	sub-keys19	sub-keys23	sub-keys29
sub01fam01 = 1	sub07fam07 = 1	sub11fam11 = 1	sub13fam13 = 1	sub17fam17 = 1	sub19fam19 = 1	sub23fam23 = 1	sub29fam29 = 1
sub01fam07 = 7	sub07fam01 = 7	sub11fam23 = 7	sub13fam19 = 7	sub17fam11 = 7	sub19fam07 = 7	sub23fam29 = 7	sub29fam23 = 7
sub01fam11 = 11	sub07fam17 = 11	sub11fam01 = 11	sub13fam23 = 11	sub17fam07 = 11	sub19fam29 = 11	sub23fam13 = 11	sub29fam19 = 11
sub01fam13 = 13	sub07fam19 = 13	sub11fam17 = 13	sub13fam01 = 13	sub17fam29 = 13	sub19fam13 = 13	sub23fam11 = 13	sub29fam17 = 13
sub01fam17 = 17	sub07fam11 = 17	sub11fam13 = 17	sub13fam29 = 17	sub17fam01 = 17	sub19fam17 = 17	sub23fam19 = 17	sub29fam13 = 17
sub01fam19 = 19	sub07fam13 = 19	sub11fam29 = 19	sub13fam07 = 19	sub17fam23 = 19	sub19fam01 = 19	sub23fam17 = 19	sub29fam11 = 19
sub01fam23 = 23	sub07fam29 = 23	sub11fam07 = 23	sub13fam11 = 23	sub17fam19 = 23	sub19fam23 = 23	sub23fam01 = 23	sub29fam07 = 23
sub01fam29 = 29	sub07fam23 = 29	sub11fam19 = 29	sub13fam17 = 29	sub17fam13 = 29	sub19fam11 = 29	sub23fam07 = 29	sub29fam01 = 29

(*fam11 and *fam19)

sub-keys01	sub-keys07	sub-keys11	sub-keys13	sub-keys17	sub-keys19	sub-keys23	sub-keys29
sub01fam01 = 1	sub07fam07 = 1	sub11fam11 = 1	sub13fam13 = 1	sub17fam17 = 1	sub19fam19 = 1	sub23fam23 = 1	sub29fam29 = 1
sub01fam07 = 7	sub07fam01 = 7	sub11fam23 = 7	sub13fam19 = 7	sub17fam11 = 7	sub19fam07 = 7	sub23fam29 = 7	sub29fam23 = 7
sub01fam11 = 11	sub07fam17 = 11	sub11fam01 = 11	sub13fam23 = 11	sub17fam07 = 11	sub19fam29 = 11	sub23fam13 = 11	sub29fam19 = 11
sub01fam13 = 13	sub07fam19 = 13	sub11fam17 = 13	sub13fam01 = 13	sub17fam29 = 13	sub19fam13 = 13	sub23fam11 = 13	sub29fam17 = 13
sub01fam17 = 17	sub07fam11 = 17	sub11fam13 = 17	sub13fam29 = 17	sub17fam01 = 17	sub19fam17 = 17	sub23fam19 = 17	sub29fam13 = 17
sub01fam19 = 19	sub07fam13 = 19	sub11fam29 = 19	sub13fam07 = 19	sub17fam23 = 19	sub19fam01 = 19	sub23fam17 = 19	sub29fam11 = 19
sub01fam23 = 23	sub07fam29 = 23	sub11fam07 = 23	sub13fam11 = 23	sub17fam19 = 23	sub19fam23 = 23	sub23fam01 = 23	sub29fam07 = 23
sub01fam29 = 29	sub07fam23 = 29	sub11fam19 = 29	sub13fam17 = 29	sub17fam13 = 29	sub19fam11 = 29	sub23fam07 = 29	sub29fam01 = 29

(*fam13 and *fam17)

sub-keys01	sub-keys07	sub-keys11	sub-keys13	sub-keys17	sub-keys19	sub-keys23	sub-keys29
sub01fam01 = 1	sub07fam07 = 1	sub11fam11 = 1	sub13fam13 = 1	sub17fam17 = 1	sub19fam19 = 1	sub23fam23 = 1	sub29fam29 = 1
sub01fam07 = 7	sub07fam01 = 7	sub11fam23 = 7	sub13fam19 = 7	sub17fam11 = 7	sub19fam07 = 7	sub23fam29 = 7	sub29fam23 = 7
sub01fam11 = 11	sub07fam17 = 11	sub11fam01 = 11	sub13fam23 = 11	sub17fam07 = 11	sub19fam29 = 11	sub23fam13 = 11	sub29fam19 = 11
sub01fam13 = 13	sub07fam19 = 13	sub11fam17 = 13	sub13fam01 = 13	sub17fam29 = 13	sub19fam13 = 13	sub23fam11 = 13	sub29fam17 = 13
sub01fam17 = 17	sub07fam11 = 17	sub11fam13 = 17	sub13fam29 = 17	sub17fam01 = 17	sub19fam17 = 17	sub23fam19 = 17	sub29fam13 = 17
sub01fam19 = 19	sub07fam13 = 19	sub11fam29 = 19	sub13fam07 = 19	sub17fam23 = 19	sub19fam01 = 19	sub23fam17 = 19	sub29fam11 = 19
sub01fam23 = 23	sub07fam29 = 23	sub11fam07 = 23	sub13fam11 = 23	sub17fam19 = 23	sub19fam23 = 23	sub23fam01 = 23	sub29fam07 = 23
sub01fam29 = 29	sub07fam23 = 29	sub11fam19 = 29	sub13fam17 = 29	sub17fam13 = 29	sub19fam11 = 29	sub23fam07 = 29	sub29fam01 = 29

