

two of three

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Howdy,

Suppose I have a value x (chosen from some range) and I want to encrypt it with three value a , b , and c (each from the same range as x) such that x can be recovered from any two of those values. In other words, we have functions f , g , and h such that $f(a,b) = g(b,c) = h(c,a) = x$.

Do such schemes exist? (I think probably the answer is yes). Please enlighten me.

Thanks,
Bob H