

Hash

A	B	C	D	E	F	G	H	I	J
		m = 17		q = 11					
	Key	Key % m	(Key * q) % m						
	0	0	0						
	1	1	11						
	2	2	5						
	3	3	16						
	4	4	10						
	5	5	4						
	6	6	15						
	7	7	9						
	8	8	3						
	9	9	14						
	10	10	8						
	11	11	2						
	12	12	13						
	13	13	7						
	14	14	1						
	15	15	12						
	16	16	6						
	17	0	0						
	18	1	11						
	19	2	5						

=FLOOR.MATH((C5*\$D\$1))

A	B	C	D	E	F
		m = 17		A = 0.6180339887	
	Key	kA - floor(kA)	* m		
	0	0	0		
	1	0.6180339887	10		
	2	0.2360679775	4		
	3	0.8541019662	14		
	4	0.472135955	8		
	5	0.09016994375	1		
	6	0.7082039325	12		
	7	0.3262379212	5		
	8	0.94427191	16		
	9	0.5623058987	9		
	10	0.1803398875	3		
	11	0.7983738762	13		
	12	0.416407865	7		
	13	0.03444185375	0		
	14	0.6524758425	11		
	15	0.2705098312	4		
	16	0.88854382	15		
	17	0.5065778087	8		
	18	0.1246117975	2		
	19	0.7426457862	12		

+ ≡

Modulo Example ▾

Multiplicative Example ▾

Double Hashing Example ▾

A	B	C	D	E	F	G	H	I	J	K
	m=	11		h2 = k %	4	"+1"				
Key	Probe #	H(Key)	P*H2(Key)	Probe						
35	0	2	0	2						
	1	2	4	6						
	2	2	8	10						
	3	2	12	3						
	4	2	16	7						
	5	2	20	0						
	6	2	24	4						
	7	2	28	8						
	8	2	32	1						
	9	2	36	5						
	10	2	40	9						