rFind.tx	ĸt			Thu	ı Ma	ar :	19 :	14:4	43:4	48 2	2020)	1					
	В									0				@T				
	В		F	G						0				Т	U			
	В	С	F	G			K		M	0		Q		Т	U	W		Z
	B 3			G 6													X 2	Z 0

SkipMap rFind (recursive find) is called with the "top" element (@), which can be any entry in the top list.

It returns the entry in the bottom list with the key, if it is there, or null, if it isn't.

I will name the methods rFind1, rFind2, rFind3, rFind4. rFind1 is the first call. It calls rFind2 recursively and so forth. They are all actually named rFind, but the numbering will help you understand which call we are talking about (I hope).

	В							0			*T				
	В		F	G				0			Т	U			
	В	С	F	G		K	M	0	Q		Т	U	W		Z
							M 0							х 2	

rFind1(@, K) is called by containsKey or get or put.

rFind.tz	ĸt			Thu	1 Ma	ar :	19 1	L 4: 4	43:4	48 2	2020)	3				
ŕ	*B									0				Т			
	В		F	G						0				Т	U		
	В	С	F	G			K		M	0		Q		Т	U	W	Z
							K 2										Z 0

rFind1(*, K) first calls find(*, K) on the current list and gets B.

	В							0			Т				
	*B		F	G				0			Т	U			
	В	С	F	G		K	M	0	Q		Т	U	W	Z	
							M 0								

rFind1(*, K) then calls rFind2(*, K) recursively on the value (getEntry) of B.

rFind.t	xt			Thu	ı Ma	ar :	19	14:4	43:	48	202	0		5					
	В									0					Т				
	В		F	G						*0					Т	U			
	В	С	F	G			K		М	0		Q			Т	U	W		Z
A 4	B 3	C 1	F 8	G 6	I 7	J 0	K 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	Т б	U 3	W 4	Х 2	Z 0
rFind2(* ,	K)	(th	e r	ecu	rsi	ve	cal	1)	cal	ls	fin	d(*	, K) a	.nd	get	s O	

	В									0					Т				
	В		F	G						0					Т	U			
	В	С	F	G			K		M	*0		Q			Т	U	W		Z
A 4	B 3	C 1	F 8	G 6	I 7	J 0	К 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	T 6	U 3	W 4	Х 2	Z 0
rFind2(*,	K)	the	n c	all	s r	Fin	.d3(* ,	K)	on	the	va.	lue	of	Ο.			

rFind.t	xt			Th	u Ma	ar :	19	14:4	43:4	48 2	2020)		7	7				
	В									0					Т				
	В		F	G						0					Т	U			
	В	С	F	G			*K		M	0		Q			Т	U	W		Z
A 4	B 3	C 1	F 8	G 6	I 7	J 0	К 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	Т 6	U 3	W 4	х 2	Z 0
rFind3(* ,	K)	cal	ls	fin	d(*	, K	() a	nd	get	s K	on	th	is	lev	el.			

	В									0					Т				
	В		F	G						0					Т	U			
	В	С	F	G			K		M	0		Q			Т	U	W		Z
A 4	B 3	C 1	F 8	G 6	I 7	J 0	*K 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	T 6	U 3	W 4	х 2	Z 0
rFind3(* ,	K)	the	n c	all	s 1	Fin	d4(*,	K)	on	the	va.	lue	of	к.			

	В									0			Т			
	В		F	G						0			Т	U		
	В	С	F	G			K		M	0	Q		Т	U	W	Z
							*K 2									
rFind4(* ,	K)	cal	ls	fin	.d4	(*,	к).								

	В							0			Т			
	В		F	G				0			Т	U		
	В	С	F	G		K	M	0	Q		Т	U	W	Z
						*K 2								

rFind4(*, K) tests that this entry is not a skip entry (isSkipEntry() is false) so it is on the bottom and that it has the key K. So it returns it.

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If it was on the bottom but had the WRONG key, it would have returned null.

rFind.t	xt			Th	u Ma	ar	19	14:	43:	48	2020)		1	L1				
	В									0					Т				
	В		F	G						0					Т	U			
	В	С	F	G			K		M	0		Q			Т	U	W		Z
A 4	B 3	C 1	F 8	G 6	I 7	J 0	*K 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	T 6	U 3	W 4	Х 2	Z 0
rFind3	ret	urn	s t	he	ent	ry	ret	urn	ed	by	its	са	11	to	rFi	nd4			

rFind.txt			Thu	Ma	r	19	14:4	43:4	48 2	2020)		1	2				
В									0					Т				
В		F	G						0					Т	U			
В	С	F	G			K		M	0		Q			Т	U	W		Z
A B 4 3	C 1	F 8	G 6	I 7	J 0	*K 2	L 9	M 0	O 8	P 4	Q 6	R 3	S 5	Т 6	U 3	W 4	X 2	Z 0

rFind2 returns the entry returned by its call to rFind3.

rFind.txt						Thu Mar 19 14:43:48 2020]	L3			
		В									0					Т			
		В		F	G						0					Т	U		
		В	С	F	G			K		M	0		Q			Т	U	W	Z
												P 4							
rFind1 returns the			he	ent	ry	ret	urn	ed	by	its	са	.11	to	rFi	nd2				