KHUUKSIUN	URSION	_
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	1. 11-101 (14+11)
	O Line Calls at Self until
(1)	when a function calls itself until
	coner:
1	is a condition as well
	a specified condition is met.
1.	

f(n) { = a function

f(n)

— me same function is

called again:

(2) Recuession to paint 1.

3 Static void F()

S.D.P(1); (4) // Prints 1

(3) p(): //calling same function

O> PS VM () Program first comes ento the

(1); main

output screen

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	This program not we saw premiously, it will
	keep on going forever since were is
	no stop condition or base condition.
	(Infinite Recursion.)
	The program civil eventually stop in such
	cases only when it runs out of memory.
1	This is called Stack overflow.
	Astronomy China Carlot Carlot Carlot
	The function f() again calls itself but
	F() is not yet completed. So, F() will
	cuait in Stack.
7	F(), L2
	f(), 12 The Function calls
	FC), 12 auc waiting in
	Stack memory.
	Language Control of the Control of t
•	BASE CONDITION.
	when return is executed, no line
0	ent=1; below it will be executed
2	3f() f
(3)	if(cnt==2) methon; // Base condition.
9/	Print (cnt);
3	cn++; output
6	F(), 4
(1)	Main () f
• •	F(); \(\text{when a function call}
	gets own that function F(), L6
	is removed from Stack.
	the Stack.