Collat 2	conjectu	re		
Steps:	1/2601	Ive		
Start W.	th a	inteser	N. 151	in three
T (Teps !	6.4	n=1	2 tob	
releat	.~\D ! t	N is ev	en, divid	le by 2.
	(3) t	n is odd	, set n	=3n+1.
Coolectu	(s , 1)	o alama	DCV(0(2	40000000
10 0	Raite	12 X 21	en Par a	terminates all $n \in \mathbb{Z}^+$.
	<u> </u>	s 10 -	>5 -> 1	6 -> 8
8	3	2	>5 -> 1	3
->4	-> 2	31		
Ď	(D	3 Sup	because (D. V
New topic	: Junc	tions		
knd of	like fa	nctions d	war math	class
Math				(C/CH)
f: R-	>	- Joulo	le f (don	rpl6 ×)
4(1	0.2) 6	= f((10.2);	
00.	2			
f(x) =	X +3 =	t wony	e 4 (double	X
			duca x	4 / 1 2 .
			e f(double eturn x+ f(double x	

Important: in CC++, functions might not

se deterministic, and might

Further have side-effects.

Views of functions:

— Intra-program communication

(contrast wy cin/cout cohich

sive interprogram communication...

- Organizational tool ...