	En	ter d	ata	pro	vided	fror	m q	uesti	on:													
E	≔ 1.	.3 • 10) ¹¹ •	Pa			$L \coloneqq$	2 m			D:	=0	.28	m	m		P	:= 1	5 <i>l</i>	V		
	Ca	lcula	te c	ros	s sect	iona	l ar	ea:														
	4	π •	D^2	0	.062		2															
	A		1	=0	.002	711111	,															
	Th	en ca	alcu	late	exte	nsio	n of	wire	9:													
	δ:-	$P \cdot I$	L	3 7	′48 m	m																
	0	$E \cdot A$	4	0.1	10 776	,,,,																