	Page No.
	Reacting 1.2. (Date: / /201
	(1.10)
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(0)	W. 1 0 0 - 1 - 1 1 0 0 1 1
1.	The proof dy Contractection . Suppose P is
	We were proof by Contractiction Suppose pices  no luen them $n = 2k+1$ for some $k \in \Re N$ Them, $n^2 = (2k+1)^2$
	$\mathbf{n} = (2 \times \mathbf{r})^{2}$
	1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	$\mathcal{L}_{\mathbf{A}}$
	of goneraduction
	therefore, n must be even.
(.)	
(b)	In is not a multiple of 3. Then
	On is not a mulliple of 3. Thon
	n = (3k+6)
	$n^2 = 9k^2 + 6kl + l^2$
1, 1,	There care 2 (Case):
	(=) = 9k2+6K++1 = 3 (3K2+2K)+1
	Some n= 38+1 1 2 mot a - 111
	$\int_{-2}^{2} n^{2} = g K^{2} + g K + 4 = 3 (3 K^{2} + 4 K + 1) + 1$
	= 30 -1
	Ince n° 394, il is not a multiple of 3,
	sono a multiple of 3,
	Be and
	les cose analysis, n'is not o multiple of 3.
	contraction. Therefore no a
	multiple of 3.
( )	
(هما	1.11
	m=6 m=9 is an example such that n2 is a
	multiple of m, don't not a multiple of m.  The man, deliver we can have n=6, m=4 as
	m <n, as<="" atten="" can="" have="" le="" m="4" n="6," th="" we=""></n,>
in the second	with the state of