Inestron 4.

It is true.

Proof: According to the general division theorem, any interger can be presented as but, while ≠ 0≤r<101.

if b=4. so all interger can be expressed as 4n+r.

because OSTZ4. SO anothere situations are available:

4n+0. 4ntl. 4n+2. 4nts

clearly 4110 and 4112 are even

so odd number can only be 4n+1 and 4n+3

This proves the statement.