... 1.32 (2).

3) x(t) periodic >> yx(t) periodic

x(t) periodic  $(x(t) \Rightarrow 2t)$   $\Rightarrow y_1(2t) = x(t)$  where  $(x(t) \Rightarrow x(t)) \Rightarrow (x(t) \Rightarrow x(t))$ 

Some Same case as (2): montains numbounds; we can prove that:

Yell) is periodic, with fundamental period Ty = 2Tx;

4) yelt) periodic => x(t) periodic

Same case as (1): nuntahis mutandis, we can prove that:  $\frac{1}{x(t)}$  is periodic, with fundamental period  $\frac{1}{x} = \frac{1}{2}$ 

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> X(E) = with x(E+LL) V To E For To

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