Monday, September 17, 2018 14:23

Typical (in measure) binny number i's normal Typical (in topology) binary number is not normal. The density of  $\{(n,m) \in |N^2: (n,m)=1\}$  is  $\frac{6}{\pi^2}$ .

Suggestion: do this wy redaing les F=In×In (assuming unin [III], IJ-13-20). In example of a Folher Sequence.

Lo "larger 8 larger sets in

a group over which

you can awaye".

Reading for friday: up to "strange numbers" & P 114. Problems for friday: 7 of the 21 review exercises.

Symme-free numbers.  $S_{\text{Nrprise}}: \int_{C} (S) = \frac{6}{\pi^2} = \frac{1}{\sqrt{2} \frac{1}{\eta_2}}$ 

density d is "Additive":

Let 
$$\bar{J}_{x}(E) = limsup$$

Examples: (exercises:)