

(c) 
$$x_{ij} \in \mathbb{R}$$
  
 $(x_{ij}) = |x-y|$  then  $y=0$   
 $x=0; y=1$   
 $|0+i| = |0-i| = 1$   
however,  $y \neq 0$   
1.17 "Any set of seven integers contains a  
pur where size as difference is divisible by 10"  
 $0 \quad 1.9 \quad a.8 \quad a_{3,7} \quad 4.6 \quad s$   
 $a_{3,8} \quad a_{3,7} \quad 4.6 \quad s$   
 $a_{4,6} \quad s$   
 $a_{1,6} \quad s = 1$   
 $a_{1,6} \quad a_{1,6} \quad a_{3,7} \quad a_{1,6} \quad s$   
 $a_{1,6} \quad s = 22$   
 $a_{1,6} \quad s = -1$   
 $1 \quad 1 \quad -1 \quad s = -1$   
 $1 \quad 1 \quad -1 \quad s = -1$   
 $a_{1,6} \quad s = -1$   
 $1 \quad 1 \quad -1 \quad s = -1$   
 $a_{1,6} \quad s = -1$   
 $a_{1,6}$ 

L = (alp+llq)n + lp+3q - (alp+llq)n + lp+3q alp+llq = 0 = p = -llq qp+3q = 1 - 8 + 9 = 1 V  $\frac{1}{9} + 3q = 1$   $\frac{1}{9} + 3q = 1$   $\frac{1}{9} + 3q = 1$ 

 $\int = p(2(n+4) + q(14n+3))$ 

$$\frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \frac{1}{2$$