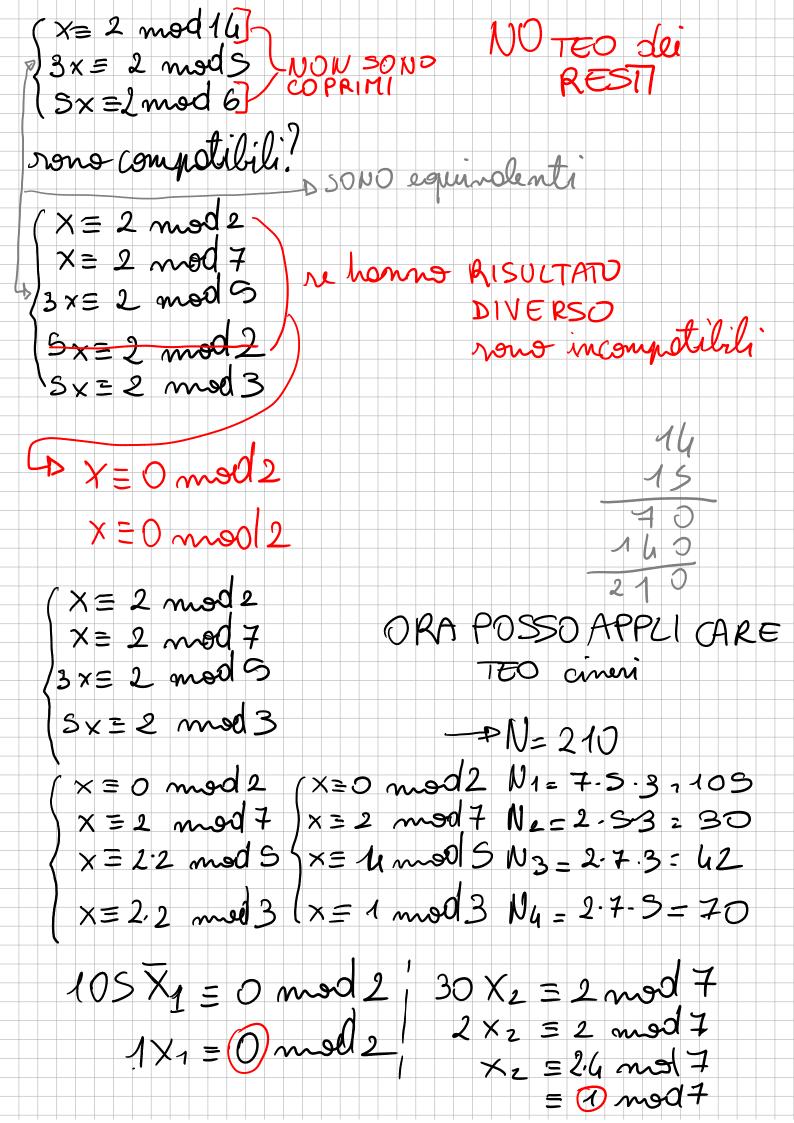
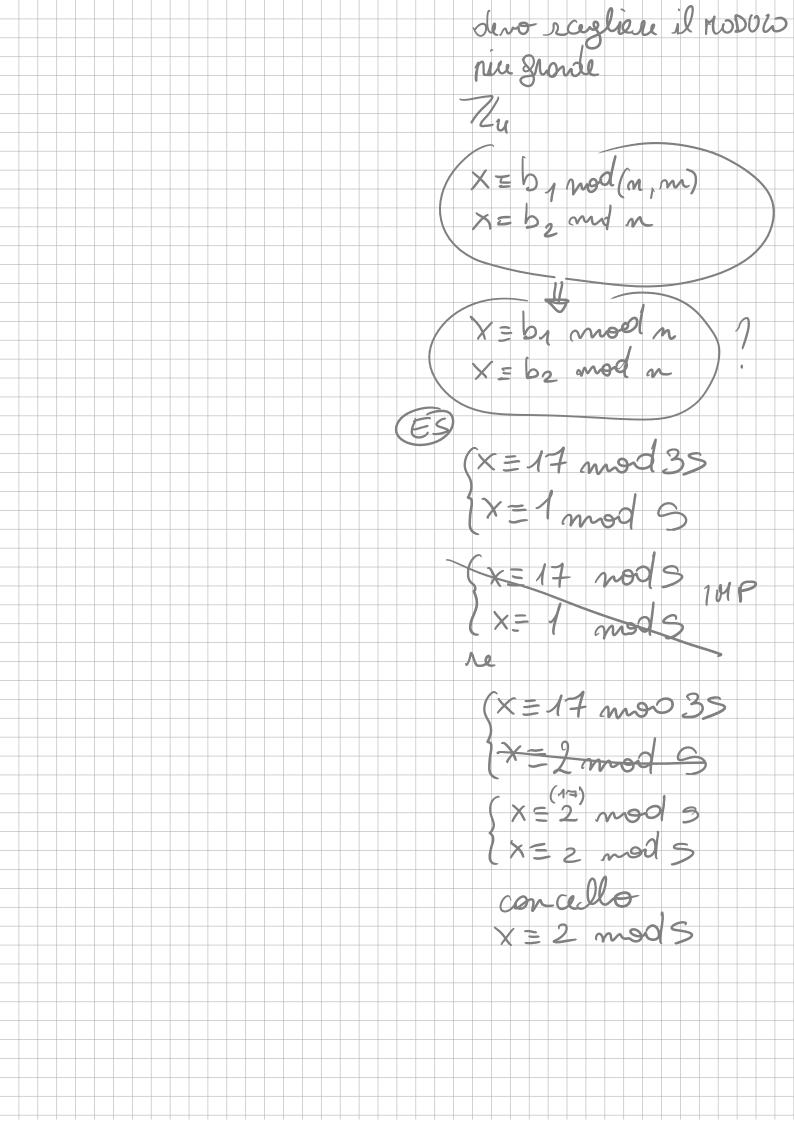
07/12/2021 (19)x = 2 mod 5  $3 \times \equiv a \mod 13$ 7 frem 1 = x/s/ Dan errere 1 1) rono Compotibili? 2) TEOREMA dei nuti! S 137 Coprumi ( ri MCD (3, S) 1 SONO nelle conditioni? (rong remplificabili?) (X = 2 · h med 3 (4×=2 mod 5  $3 \times \equiv 4 \mod 13$   $2 \times \equiv 4 \mod 3$   $2 \times \equiv 1 \mod 7$   $2 \times \equiv 1 \mod 7$ N = 455 produtto tutti moduli x = 3 mod 3  $\begin{cases} x = 40 \\ x = 4 \end{cases}$ N1= 81 × = 10 // 13 N2= 35 N3= 69 in bem id = iX · iV 91. X1 = 3 mod 5 = 5 x1 = 3 mod 5 35 · X2 = 10 mod 13 = 0 3 x2 = 10 mod 13  $\overline{X}_2 \equiv 30 \text{ mod } 13$ 65. x3=4 mod 7 = D2 x3 = 4 mod 7 =D X3 5 (4) mod 7



1 40 Xu = 1 mod 3 62 K3 = 4 mod D  $\times u = 0$  and 3 2 x 3 = 4 mod S ×3 = (2) mels X = N1 X1 + N2 X2 + N3 X3 + Nux4 105.0 + 30.1 + 42.2 + 40.1 =184 X = 184 mod 260 X = 184 + 4.210 $3x = 2 \mod 4$  2x = 1 % 5 6x = 1 % 14 - DINCOMPATIBILEIl virtema non è compotibile pur ché la equazione non e compatibile FIWITO i ponogzi di prima rolo 3x=2 mod 4 quando sono du fottori  $\begin{cases} 2x = 1 & \text{if } 3 \\ 5x = 1 & \text{if } 14 \end{cases}$ ( 5 x = 1 md 2 \ 3x = 1 md 7 X=2 med4 X= 1 mod 2



$$x = 2 \mod 14$$
 (  $x = 2 \mod 14$   
 $2x = 2$  //  $3 \pmod 3 \times = 2$  //  $3 \pmod 3$   
 $4x = 2$  //  $6(2x = 1 \mod 3)$   
 $4x = 2 \mod 14 \pmod 3$   
 $4x = 4 \mod 3 \pmod 3$   
 $4x = 2 \mod 14 \pmod 4$   
 $4x = 4 \mod 5$   
 $4x = 2 \mod 14 \pmod 4$   
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