Discrete math

Assignment 4

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1-procedure Chinese(A1,A2…..:prime positive integrs;B1,B2….Bn:integrs)

2-a:=1

3-for i:=1ton

4-a:=a.Ai

5-for i:=1ton

6-Ak:a/Ai

7-yk:=(Ai^-1)mod Ai

8-x:=0

9-for i:=1 to n

10-x:=x+Bi*Ai*yi

11-while x >=a

12-x:=x-a

13-return x {the smallest solution to the system x concarnt Bi(mod Ai) i=1,2,….n}}