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Function Playfair(n1:String; n2:String; n3:Byte): String;
//----\\
//------Author: Carlos Guzman-----\\
//----Use: Playfair('Text to encrypt', 'Password', 1/2)----\
//----1 = Encrypt, 2 = Decrypt-----\\
//----\\
Const n4 = ! "#$%^+Chr(39) + !()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^ `abcdefghijklmnopqrstuvwxyz
Var n5,n8,n9,n11:Integer; n6,n7:String; Label n10, n12;
Begin
If (Length (n1) = 0) OR (Length (n2) = 0) Then Exit;
If Length(n2) > 95 Then Exit;
If n3 <> 1 Then If n3 <> 2 Then Exit;
If Length(n1) Mod 2 <> 0 Then n1:=n1+'x';
For n5:=1 To Length (n2) Do If Pos(Copy (n2,n5,1), n6) = 0 Then
n6:=n6+Copy(n2,n5,1);
For n5:=1 To Length (n4) Do If Pos(Copy(n4,n5,1),n6) = 0 Then
n6:=n6+Copy(n4,n5,1);
n5:=1; n11:=0;
While n5 <= Length(n1) Do Begin
n8 := Pos(Copy(n1, n5, 1), n6);
n9:=Pos(Copy(n1,n5+1,1),n6);
If Valf2 (n8 - n9) \mod 5 = 0 Then Begin
If n3 = 1 Then Begin
If (n8+5 > 95) OR (n9+5 > 95) Then Begin
 If (n8+5 > 95) Then n7:=n7+Copy(n6,n8-90,1)+Copy(n6,n9+5,1);
 If (n9+5 > 95) Then n7:=n7+Copy(n6,n8+5,1)+Copy(n6,n9-90,1);
End Else n7:=n7+Copy(n6,n8+5,1)+Copy(n6,n9+5,1);
End Else Begin
If (n8 \le 5) OR (n9 \le 5) Then Begin
 If (n8 \le 5) Then n7 := n7 + Copy(n6, n8 + 90, 1) + Copy(n6, n9 - 5, 1);
 If (n9 \le 5) Then n7:=n7+Copy(n6,n8-5,1)+Copy(n6,n9+90,1);
End Else n7:=n7+Copy(n6,n8-5,1)+Copy(n6,n9-5,1);
end;
Goto n12;
end:
If Between (n8,1,5) AND Between (n9,6,10) Then n11:=5;
If Between (n8, 1, 5) AND Between (n9, 11, 15) Then n11:=10;
If Between (n8, 1, 5) AND Between (n9, 16, 20) Then n11:=15;
If Between (n8, 1, 5) AND Between (n9, 21, 25) Then n11:=20;
If Between (n8, 1, 5) AND Between (n9, 26, 30) Then n11:=25;
If Between (n8, 1, 5) AND Between (n9, 31, 35) Then n11:=30;
If Between (n8, 1, 5) AND Between (n9, 36, 40) Then n11:=35;
If Between (n8, 1, 5) AND Between (n9, 41, 45) Then n11:=40;
If Between (n8, 1, 5) AND Between (n9, 46, 50) Then n11:=45;
If Between (n8, 1, 5) AND Between (n9, 51, 55) Then n11 := 50;
If Between (n8, 1, 5) AND Between (n9, 56, 60) Then n11:=55;
If Between (n8, 1, 5) AND Between (n9, 61, 65) Then n11:=60;
If Between (n8, 1, 5) AND Between (n9, 66, 70) Then n11:=65;
If Between (n8,1,5) AND Between (n9,71,75) Then n11:=70;
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If Between (n8, 1, 5) AND Between (n9, 76, 80) Then n11:=75;
If Between (n8, 1, 5) AND Between (n9, 81, 85) Then n11:=80;
If Between (n8, 1, 5) AND Between (n9, 86, 90) Then n11:=85;
If Between (n8, 1, 5) AND Between (n9, 91, 95) Then n11:=90;
If Between (n8, 6, 10) AND Between (n9, 11, 15) Then n11 := 5;
If Between (n8, 6, 10) AND Between (n9, 16, 20) Then n11 := 10;
If Between (n8, 6, 10) AND Between (n9, 21, 25) Then n11 := 15;
If Between (n8, 6, 10) AND Between (n9, 26, 30) Then n11:=20;
If Between (n8, 6, 10) AND Between (n9, 31, 35) Then n11:=25;
If Between (n8, 6, 10) AND Between (n9, 36, 40) Then n11:=30;
If Between (n8, 6, 10) AND Between (n9, 41, 45) Then n11:=35;
If Between (n8, 6, 10) AND Between (n9, 46, 50) Then n11:=40;
If Between (n8, 6, 10) AND Between (n9, 51, 55) Then n11:=45;
If Between (n8,6,10) AND Between (n9,56,60) Then n11:=50;
If Between (n8,6,10) AND Between (n9,61,65) Then n11:=55;
If Between (n8, 6, 10) AND Between (n9, 66, 70) Then n11:=60;
If Between (n8, 6, 10) AND Between (n9, 71, 75) Then n11:=65;
If Between (n8, 6, 10) AND Between (n9, 76, 80) Then n11:=70;
If Between (n8, 6, 10) AND Between (n9, 81, 85) Then n11:=75;
If Between (n8, 6, 10) AND Between (n9, 86, 90) Then n11:=80;
If Between (n8, 6, 10) AND Between (n9, 91, 95) Then n11 := 85;
If Between (n8, 11, 15) AND Between (n9, 16, 20) Then n11:=5;
If Between (n8, 11, 15) AND Between (n9, 21, 25) Then n11:=10;
If Between (n8, 11, 15) AND Between (n9, 26, 30) Then n11:=15;
If Between (n8, 11, 15) AND Between (n9, 31, 35) Then n11:=20;
If Between (n8, 11, 15) AND Between (n9, 36, 40) Then n11:=25;
If Between (n8, 11, 15) AND Between (n9, 41, 45) Then n11:=30;
If Between (n8, 11, 15) AND Between (n9, 46, 50) Then n11:=35;
If Between (n8, 11, 15) AND Between (n9, 51, 55) Then n11:=40;
If Between (n8, 11, 15) AND Between (n9, 56, 60) Then n11:=45;
If Between (n8, 11, 15) AND Between (n9, 61, 65) Then n11:=50;
If Between (n8, 11, 15) AND Between (n9, 66, 70) Then n11:=55;
If Between (n8, 11, 15) AND Between (n9, 71, 75) Then n11:=60;
If Between (n8, 11, 15) AND Between (n9, 76, 80) Then n11:=65;
If Between (n8, 11, 15) AND Between (n9, 81, 85) Then n11:=70;
If Between (n8, 11, 15) AND Between (n9, 86, 90) Then n11:=75;
If Between (n8, 11, 15) AND Between (n9, 91, 95) Then n11:=80;
If Between(n8,16,20) AND Between(n9,21,25) Then n11:=5;
If Between (n8, 16, 20) AND Between (n9, 26, 30) Then n11:=10;
If Between(n8,16,20) AND Between(n9,31,35) Then n11:=15;
If Between (n8, 16, 20) AND Between (n9, 36, 40) Then n11:=20;
If Between (n8, 16, 20) AND Between (n9, 41, 45) Then n11:=25;
If Between (n8, 16, 20) AND Between (n9, 46, 50) Then n11:=30;
If Between (n8, 16, 20) AND Between (n9, 51, 55) Then n11:=35;
If Between (n8, 16, 20) AND Between (n9, 56, 60) Then n11:=40;
If Between (n8, 16, 20) AND Between (n9, 61, 65) Then n11:=45;
If Between (n8, 16, 20) AND Between (n9, 66, 70) Then n11:=50;
If Between (n8, 16, 20) AND Between (n9, 71, 75) Then n11:=55;
If Between (n8, 16, 20) AND Between (n9, 76, 80) Then n11:=60;
If Between (n8, 16, 20) AND Between (n9, 81, 85) Then n11:=65;
If Between (n8, 16, 20) AND Between (n9, 86, 90) Then n11:=70;
If Between (n8, 16, 20) AND Between (n9, 91, 95) Then n11:=75;
If Between (n8, 21, 25) AND Between (n9, 26, 30) Then n11:=5;
If Between (n8, 21, 25) AND Between (n9, 31, 35) Then n11:=10;
If Between (n8, 21, 25) AND Between (n9, 36, 40) Then n11:=15;
If Between (n8, 21, 25) AND Between (n9, 41, 45) Then n11:=20;
If Between (n8, 21, 25) AND Between (n9, 46, 50) Then n11:=25;
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If Between (n8, 21, 25) AND Between (n9, 51, 55) Then n11:=30;
If Between (n8, 21, 25) AND Between (n9, 56, 60) Then n11:=35;
If Between (n8, 21, 25) AND Between (n9, 61, 65) Then n11:=40;
If Between (n8, 21, 25) AND Between (n9, 66, 70) Then n11:=45;
If Between (n8, 21, 25) AND Between (n9, 71, 75) Then n11:=50;
If Between (n8,21,25) AND Between (n9,76,80) Then n11:=55;
If Between (n8, 21, 25) AND Between (n9, 81, 85) Then n11 := 60;
If Between (n8, 21, 25) AND Between (n9, 86, 90) Then n11:=65;
If Between (n8, 21, 25) AND Between (n9, 91, 95) Then n11:=70;
If Between (n8, 26, 30) AND Between (n9, 31, 35) Then n11:=5;
If Between (n8, 26, 30) AND Between (n9, 36, 40) Then n11:=10;
If Between (n8, 26, 30) AND Between (n9, 41, 45) Then n11:=15;
If Between (n8, 26, 30) AND Between (n9, 46, 50) Then n11:=20;
If Between (n8, 26, 30) AND Between (n9, 51, 55) Then n11:=25;
If Between (n8, 26, 30) AND Between (n9, 56, 60) Then n11:=30;
If Between (n8, 26, 30) AND Between (n9, 61, 65) Then n11:=35;
If Between (n8, 26, 30) AND Between (n9, 66, 70) Then n11:=40;
If Between (n8, 26, 30) AND Between (n9, 71, 75) Then n11:=45;
If Between (n8, 26, 30) AND Between (n9, 76, 80) Then n11:=50;
If Between (n8, 26, 30) AND Between (n9, 81, 85) Then n11:=55;
If Between (n8, 26, 30) AND Between (n9, 86, 90) Then n11:=60;
If Between (n8, 26, 30) AND Between (n9, 91, 95) Then n11:=65;
If Between(n8,31,35) AND Between(n9,36,40) Then n11:=5;
If Between(n8,31,35) AND Between(n9,41,45) Then n11:=10;
If Between (n8, 31, 35) AND Between (n9, 46, 50) Then n11:=15;
If Between (n8, 31, 35) AND Between (n9, 51, 55) Then n11:=20;
If Between (n8, 31, 35) AND Between (n9, 56, 60) Then n11:=25;
If Between (n8, 31, 35) AND Between (n9, 61, 65) Then n11:=30;
If Between (n8, 31, 35) AND Between (n9, 66, 70) Then n11:=35;
If Between (n8, 31, 35) AND Between (n9, 71, 75) Then n11:=40;
If Between (n8, 31, 35) AND Between (n9, 76, 80) Then n11:=45;
If Between (n8, 31, 35) AND Between (n9, 81, 85) Then n11:=50;
If Between(n8,31,35) AND Between(n9,86,90) Then n11:=55;
If Between (n8, 31, 35) AND Between (n9, 91, 95) Then n11:=60;
If Between (n8, 36, 40) AND Between (n9, 41, 45) Then n11:=5;
If Between (n8, 36, 40) AND Between (n9, 46, 50) Then n11:=10;
If Between (n8, 36, 40) AND Between (n9, 51, 55) Then n11:=15;
If Between (n8, 36, 40) AND Between (n9, 56, 60) Then n11:=20;
If Between (n8, 36, 40) AND Between (n9, 61, 65) Then n11:=25;
If Between(n8,36,40) AND Between(n9,66,70) Then n11:=30;
If Between (n8, 36, 40) AND Between (n9, 71, 75) Then n11:=35;
If Between (n8, 36, 40) AND Between (n9, 76, 80) Then n11:=40;
If Between (n8, 36, 40) AND Between (n9, 81, 85) Then n11:=45;
If Between (n8, 36, 40) AND Between (n9, 86, 90) Then n11:=50;
If Between (n8, 36, 40) AND Between (n9, 91, 95) Then n11:=55;
If Between (n8, 41, 45) AND Between (n9, 46, 50) Then n11:=5;
If Between (n8, 41, 45) AND Between (n9, 51, 55) Then n11:=10;
If Between (n8, 41, 45) AND Between (n9, 56, 60) Then n11:=15;
If Between (n8, 41, 45) AND Between (n9, 61, 65) Then n11:=20;
If Between (n8, 41, 45) AND Between (n9, 66, 70) Then n11:=25;
If Between (n8, 41, 45) AND Between (n9, 71, 75) Then n11:=30;
If Between (n8, 41, 45) AND Between (n9, 76, 80) Then n11:=35;
If Between (n8, 41, 45) AND Between (n9, 81, 85) Then n11:=40;
If Between (n8, 41, 45) AND Between (n9, 86, 90) Then n11:=45;
If Between (n8, 41, 45) AND Between (n9, 91, 95) Then n11:=50;
If Between (n8, 46, 50) AND Between (n9, 51, 55) Then n11:=5;
If Between (n8, 46, 50) AND Between (n9, 56, 60) Then n11:=10;
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If Between (n8, 46, 50) AND Between (n9, 61, 65) Then n11:=15;
If Between (n8, 46, 50) AND Between (n9, 66, 70) Then n11:=20;
If Between (n8, 46, 50) AND Between (n9, 71, 75) Then n11:=25;
If Between (n8, 46, 50) AND Between (n9, 76, 80) Then n11:=30;
If Between (n8, 46, 50) AND Between (n9, 81, 85) Then n11:=35;
If Between (n8, 46, 50) AND Between (n9, 86, 90) Then n11:=40;
If Between (n8, 46, 50) AND Between (n9, 91, 95) Then n11:=45;
If Between (n8, 51, 55) AND Between (n9, 56, 60) Then n11:=5;
If Between (n8, 51, 55) AND Between (n9, 61, 65) Then n11:=10;
If Between (n8, 51, 55) AND Between (n9, 66, 70) Then n11:=15;
If Between (n8, 51, 55) AND Between (n9, 71, 75) Then n11:=20;
If Between (n8, 51, 55) AND Between (n9, 76, 80) Then n11:=25;
If Between (n8, 51, 55) AND Between (n9, 81, 85) Then n11:=30;
If Between (n8, 51, 55) AND Between (n9, 86, 90) Then n11:=35;
If Between (n8, 51, 55) AND Between (n9, 91, 95) Then n11:=40;
If Between (n8, 56, 60) AND Between (n9, 61, 65) Then n11:=5;
If Between (n8, 56, 60) AND Between (n9, 66, 70) Then n11:=10;
If Between (n8, 56, 60) AND Between (n9, 71, 75) Then n11:=15;
If Between (n8, 56, 60) AND Between (n9, 76, 80) Then n11:=20;
If Between (n8, 56, 60) AND Between (n9, 81, 85) Then n11:=25;
If Between (n8, 56, 60) AND Between (n9, 86, 90) Then n11:=30;
If Between (n8, 56, 60) AND Between (n9, 91, 95) Then n11:=35;
If Between (n8, 61, 65) AND Between (n9, 66, 70) Then n11:=5;
If Between (n8,61,65) AND Between (n9,71,75) Then n11:=10;
If Between (n8, 61, 65) AND Between (n9, 76, 80) Then n11:=15;
If Between (n8,61,65) AND Between (n9,81,85) Then n11:=20;
If Between (n8, 61, 65) AND Between (n9, 86, 90) Then n11:=25;
If Between (n8, 61, 65) AND Between (n9, 91, 95) Then n11:=30;
If Between (n8, 66, 70) AND Between (n9, 71, 75) Then n11:=5;
If Between (n8, 66, 70) AND Between (n9, 76, 80) Then n11:=10;
If Between (n8, 66, 70) AND Between (n9, 81, 85) Then n11:=15;
If Between (n8, 66, 70) AND Between (n9, 86, 90) Then n11:=20;
If Between (n8, 66, 70) AND Between (n9, 91, 95) Then n11:=25;
If Between (n8, 71, 75) AND Between (n9, 76, 80) Then n11:=5;
If Between(n8,71,75) AND Between(n9,81,85) Then n11:=10;
If Between(n8,71,75) AND Between(n9,86,90) Then n11:=15;
If Between (n8, 71, 75) AND Between (n9, 91, 95) Then n11:=20;
If Between (n8, 76, 80) AND Between (n9, 81, 85) Then n11:=5;
If Between (n8, 76, 80) AND Between (n9, 86, 90) Then n11:=10;
If Between (n8, 76, 80) AND Between (n9, 91, 95) Then n11:=15;
If Between (n8, 81, 85) AND Between (n9, 86, 90) Then n11:=5;
If Between (n8,81,85) AND Between (n9,91,95) Then n11:=10;
If Between (n8, 86, 90) AND Between (n9, 91, 95) Then n11:=5;
If Between (n9,1,5) AND Between (n8,6,10) Then n11:=5;
If Between (n9,1,5) AND Between (n8,11,15) Then n11:=10;
If Between (n9,1,5) AND Between (n8,16,20) Then n11:=15;
If Between (n9, 1, 5) AND Between (n8, 21, 25) Then n11:=20;
If Between (n9,1,5) AND Between (n8,26,30) Then n11:=25;
If Between (n9,1,5) AND Between (n8,31,35) Then n11:=30;
If Between (n9,1,5) AND Between (n8,36,40) Then n11:=35;
If Between (n9, 1, 5) AND Between (n8, 41, 45) Then n11:=40;
If Between (n9,1,5) AND Between (n8,46,50) Then n11:=45;
If Between (n9,1,5) AND Between (n8,51,55) Then n11:=50;
If Between (n9, 1, 5) AND Between (n8, 56, 60) Then n11:=55;
If Between (n9, 1, 5) AND Between (n8, 61, 65) Then n11:=60;
If Between (n9, 1, 5) AND Between (n8, 66, 70) Then n11:=65;
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If Between (n9, 1, 5) AND Between (n8, 71, 75) Then n11:=70;
If Between (n9, 1, 5) AND Between (n8, 76, 80) Then n11:=75;
If Between (n9, 1, 5) AND Between (n8, 81, 85) Then n11:=80;
If Between (n9,1,5) AND Between (n8,86,90) Then n11:=85;
If Between (n9, 1, 5) AND Between (n8, 91, 95) Then n11:=90;
If Between (n9,6,10) AND Between (n8,11,15) Then n11:=5;
If Between (n9, 6, 10) AND Between (n8, 16, 20) Then n11 := 10;
If Between (n9, 6, 10) AND Between (n8, 21, 25) Then n11:=15;
If Between (n9, 6, 10) AND Between (n8, 26, 30) Then n11 := 20;
If Between (n9, 6, 10) AND Between (n8, 31, 35) Then n11:=25;
If Between (n9, 6, 10) AND Between (n8, 36, 40) Then n11:=30;
If Between (n9, 6, 10) AND Between (n8, 41, 45) Then n11:=35;
If Between (n9, 6, 10) AND Between (n8, 46, 50) Then n11:=40;
If Between (n9,6,10) AND Between (n8,51,55) Then n11:=45;
If Between (n9,6,10) AND Between (n8,56,60) Then n11:=50;
If Between (n9, 6, 10) AND Between (n8, 61, 65) Then n11:=55;
If Between (n9, 6, 10) AND Between (n8, 66, 70) Then n11:=60;
If Between (n9, 6, 10) AND Between (n8, 71, 75) Then n11:=65;
If Between (n9,6,10) AND Between (n8,76,80) Then n11:=70;
If Between (n9, 6, 10) AND Between (n8, 81, 85) Then n11:=75;
If Between (n9, 6, 10) AND Between (n8, 86, 90) Then n11 := 80;
If Between (n9, 6, 10) AND Between (n8, 91, 95) Then n11:=85;
If Between (n9, 11, 15) AND Between (n8, 16, 20) Then n11:=5;
If Between (n9, 11, 15) AND Between (n8, 21, 25) Then n11:=10;
If Between (n9, 11, 15) AND Between (n8, 26, 30) Then n11:=15;
If Between (n9, 11, 15) AND Between (n8, 31, 35) Then n11:=20;
If Between (n9,11,15) AND Between (n8,36,40) Then n11:=25;
If Between (n9,11,15) AND Between (n8,41,45) Then n11:=30;
If Between (n9,11,15) AND Between (n8,46,50) Then n11:=35;
If Between (n9,11,15) AND Between (n8,51,55) Then n11:=40;
If Between (n9,11,15) AND Between (n8,56,60) Then n11:=45;
If Between (n9, 11, 15) AND Between (n8, 61, 65) Then n11:=50;
If Between(n9,11,15) AND Between(n8,66,70) Then n11:=55;
If Between (n9, 11, 15) AND Between (n8, 71, 75) Then n11:=60;
If Between (n9, 11, 15) AND Between (n8, 76, 80) Then n11:=65;
If Between (n9, 11, 15) AND Between (n8, 81, 85) Then n11:=70;
If Between (n9,11,15) AND Between (n8,86,90) Then n11:=75;
If Between (n9, 11, 15) AND Between (n8, 91, 95) Then n11:=80;
If Between (n9, 16, 20) AND Between (n8, 21, 25) Then n11:=5;
If Between (n9, 16, 20) AND Between (n8, 26, 30) Then n11:=10;
If Between (n9, 16, 20) AND Between (n8, 31, 35) Then n11:=15;
If Between (n9, 16, 20) AND Between (n8, 36, 40) Then n11:=20;
If Between (n9, 16, 20) AND Between (n8, 41, 45) Then n11:=25;
If Between (n9, 16, 20) AND Between (n8, 46, 50) Then n11:=30;
If Between (n9, 16, 20) AND Between (n8, 51, 55) Then n11:=35;
If Between (n9, 16, 20) AND Between (n8, 56, 60) Then n11:=40;
If Between (n9, 16, 20) AND Between (n8, 61, 65) Then n11:=45;
If Between (n9, 16, 20) AND Between (n8, 66, 70) Then n11:=50;
If Between(n9,16,20) AND Between(n8,71,75) Then n11:=55;
If Between (n9, 16, 20) AND Between (n8, 76, 80) Then n11:=60;
If Between (n9, 16, 20) AND Between (n8, 81, 85) Then n11 := 65;
If Between (n9, 16, 20) AND Between (n8, 86, 90) Then n11:=70;
If Between (n9, 16, 20) AND Between (n8, 91, 95) Then n11:=75;
If Between (n9, 21, 25) AND Between (n8, 26, 30) Then n11:=5;
If Between (n9, 21, 25) AND Between (n8, 31, 35) Then n11:=10;
If Between (n9,21,25) AND Between (n8,36,40) Then n11:=15;
If Between (n9, 21, 25) AND Between (n8, 41, 45) Then n11:=20;
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If Between (n9, 21, 25) AND Between (n8, 46, 50) Then n11:=25;
If Between (n9, 21, 25) AND Between (n8, 51, 55) Then n11:=30;
If Between (n9, 21, 25) AND Between (n8, 56, 60) Then n11:=35;
If Between (n9, 21, 25) AND Between (n8, 61, 65) Then n11:=40;
If Between (n9, 21, 25) AND Between (n8, 66, 70) Then n11:=45;
If Between (n9, 21, 25) AND Between (n8, 71, 75) Then n11:=50;
If Between (n9,21,25) AND Between (n8,76,80) Then n11:=55;
If Between (n9, 21, 25) AND Between (n8, 81, 85) Then n11:=60;
If Between (n9, 21, 25) AND Between (n8, 86, 90) Then n11 := 65;
If Between (n9, 21, 25) AND Between (n8, 91, 95) Then n11:=70;
If Between (n9, 26, 30) AND Between (n8, 31, 35) Then n11:=5;
If Between (n9, 26, 30) AND Between (n8, 36, 40) Then n11:=10;
If Between (n9, 26, 30) AND Between (n8, 41, 45) Then n11:=15;
If Between (n9, 26, 30) AND Between (n8, 46, 50) Then n11:=20;
If Between (n9, 26, 30) AND Between (n8, 51, 55) Then n11:=25;
If Between (n9, 26, 30) AND Between (n8, 56, 60) Then n11:=30;
If Between (n9, 26, 30) AND Between (n8, 61, 65) Then n11:=35;
If Between (n9, 26, 30) AND Between (n8, 66, 70) Then n11:=40;
If Between (n9, 26, 30) AND Between (n8, 71, 75) Then n11:=45;
If Between (n9, 26, 30) AND Between (n8, 76, 80) Then n11:=50;
If Between (n9, 26, 30) AND Between (n8, 81, 85) Then n11:=55;
If Between (n9, 26, 30) AND Between (n8, 86, 90) Then n11:=60;
If Between (n9, 26, 30) AND Between (n8, 91, 95) Then n11 := 65;
If Between(n9,31,35) AND Between(n8,36,40) Then n11:=5;
If Between (n9, 31, 35) AND Between (n8, 41, 45) Then n11:=10;
If Between (n9, 31, 35) AND Between (n8, 46, 50) Then n11:=15;
If Between (n9, 31, 35) AND Between (n8, 51, 55) Then n11:=20;
If Between (n9, 31, 35) AND Between (n8, 56, 60) Then n11:=25;
If Between (n9, 31, 35) AND Between (n8, 61, 65) Then n11:=30;
If Between (n9,31,35) AND Between (n8,66,70) Then n11:=35;
If Between (n9,31,35) AND Between (n8,71,75) Then n11:=40;
If Between (n9, 31, 35) AND Between (n8, 76, 80) Then n11:=45;
If Between (n9,31,35) AND Between (n8,81,85) Then n11:=50;
If Between (n9, 31, 35) AND Between (n8, 86, 90) Then n11:=55;
If Between (n9,31,35) AND Between (n8,91,95) Then n11:=60;
If Between (n9, 36, 40) AND Between (n8, 41, 45) Then n11:=5;
If Between (n9, 36, 40) AND Between (n8, 46, 50) Then n11:=10;
If Between (n9, 36, 40) AND Between (n8, 51, 55) Then n11:=15;
If Between (n9, 36, 40) AND Between (n8, 56, 60) Then n11:=20;
If Between (n9, 36, 40) AND Between (n8, 61, 65) Then n11:=25;
If Between (n9, 36, 40) AND Between (n8, 66, 70) Then n11:=30;
If Between (n9, 36, 40) AND Between (n8, 71, 75) Then n11:=35;
If Between (n9,36,40) AND Between (n8,76,80) Then n11:=40;
If Between (n9, 36, 40) AND Between (n8, 81, 85) Then n11:=45;
If Between (n9, 36, 40) AND Between (n8, 86, 90) Then n11:=50;
If Between (n9, 36, 40) AND Between (n8, 91, 95) Then n11:=55;
If Between (n9, 41, 45) AND Between (n8, 46, 50) Then n11:=5;
If Between (n9, 41, 45) AND Between (n8, 51, 55) Then n11:=10;
If Between (n9, 41, 45) AND Between (n8, 56, 60) Then n11:=15;
If Between (n9,41,45) AND Between (n8,61,65) Then n11:=20;
If Between (n9, 41, 45) AND Between (n8, 66, 70) Then n11:=25;
If Between (n9, 41, 45) AND Between (n8, 71, 75) Then n11:=30;
If Between (n9, 41, 45) AND Between (n8, 76, 80) Then n11:=35;
If Between (n9, 41, 45) AND Between (n8, 81, 85) Then n11:=40;
If Between (n9, 41, 45) AND Between (n8, 86, 90) Then n11:=45;
If Between (n9,41,45) AND Between (n8,91,95) Then n11:=50;
If Between (n9, 46, 50) AND Between (n8, 51, 55) Then n11:=5;
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If Between (n9, 46, 50) AND Between (n8, 56, 60) Then n11:=10;
If Between (n9, 46, 50) AND Between (n8, 61, 65) Then n11:=15;
If Between (n9, 46, 50) AND Between (n8, 66, 70) Then n11:=20;
If Between (n9, 46, 50) AND Between (n8, 71, 75) Then n11:=25;
If Between (n9, 46, 50) AND Between (n8, 76, 80) Then n11:=30;
If Between (n9, 46, 50) AND Between (n8, 81, 85) Then n11:=35;
If Between (n9, 46, 50) AND Between (n8, 86, 90) Then n11:=40;
If Between (n9, 46, 50) AND Between (n8, 91, 95) Then n11:=45;
If Between (n9, 51, 55) AND Between (n8, 56, 60) Then n11:=5;
If Between (n9, 51, 55) AND Between (n8, 61, 65) Then n11:=10;
If Between (n9, 51, 55) AND Between (n8, 66, 70) Then n11:=15;
If Between (n9, 51, 55) AND Between (n8, 71, 75) Then n11:=20;
If Between (n9, 51, 55) AND Between (n8, 76, 80) Then n11:=25;
If Between (n9, 51, 55) AND Between (n8, 81, 85) Then n11:=30;
If Between (n9, 51, 55) AND Between (n8, 86, 90) Then n11:=35;
If Between (n9, 51, 55) AND Between (n8, 91, 95) Then n11:=40;
If Between (n9, 56, 60) AND Between (n8, 61, 65) Then n11:=5;
If Between (n9, 56, 60) AND Between (n8, 66, 70) Then n11:=10;
If Between (n9, 56, 60) AND Between (n8, 71, 75) Then n11:=15;
If Between (n9, 56, 60) AND Between (n8, 76, 80) Then n11:=20;
If Between (n9,56,60) AND Between (n8,81,85) Then n11:=25;
If Between (n9, 56, 60) AND Between (n8, 86, 90) Then n11:=30;
If Between (n9, 56, 60) AND Between (n8, 91, 95) Then n11:=35;
If Between (n9, 61, 65) AND Between (n8, 66, 70) Then n11:=5;
If Between (n9, 61, 65) AND Between (n8, 71, 75) Then n11:=10;
If Between(n9,61,65) AND Between(n8,76,80) Then n11:=15;
If Between (n9,61,65) AND Between (n8,81,85) Then n11:=20;
If Between (n9, 61, 65) AND Between (n8, 86, 90) Then n11:=25;
If Between (n9,61,65) AND Between (n8,91,95) Then n11:=30;
If Between (n9,66,70) AND Between (n8,71,75) Then n11:=5;
If Between (n9,66,70) AND Between (n8,76,80) Then n11:=10;
If Between (n9,66,70) AND Between (n8,81,85) Then n11:=15;
If Between (n9,66,70) AND Between (n8,86,90) Then n11:=20;
If Between (n9, 66, 70) AND Between (n8, 91, 95) Then n11:=25;
If Between (n9,71,75) AND Between (n8,76,80) Then n11:=5;
If Between (n9,71,75) AND Between (n8,81,85) Then n11:=10;
If Between (n9,71,75) AND Between (n8,86,90) Then n11:=15;
If Between (n9,71,75) AND Between (n8,91,95) Then n11:=20;
If Between (n9, 76, 80) AND Between (n8, 81, 85) Then n11:=5;
If Between (n9, 76, 80) AND Between (n8, 86, 90) Then n11:=10;
If Between (n9, 76, 80) AND Between (n8, 91, 95) Then n11:=15;
If Between (n9,81,85) AND Between (n8,86,90) Then n11:=5;
If Between (n9,81,85) AND Between (n8,91,95) Then n11:=10;
If Between (n9, 86, 90) AND Between (n8, 91, 95) Then n11:=5;
If n9 > n8 Then Begin
n7 := n7 + Copy(n6, n9 - n11, 1) + Copy(n6, n8 + n11, 1);
Goto n12;
End Else Begin
n7 := n7 + Copy(n6, n9 + n11, 1) + Copy(n6, n8 - n11, 1);
Goto n12;
end;
If (Valf2(n8 - n9) < 5) AND (n11 = 0) Then Begin
If n3 = 1 Then Begin
If (n8 \text{ Mod } 5 = 0) \text{ OR } (n9 \text{ Mod } 5 = 0) \text{ Then Begin}
  If n8 Mod 5 = 0 Then n7:=n7+Copy(n6, n8-4,1)+Copy(n6, n9+1,1);
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