**5. Расшифровать (с демонстрацией каждого шага алгоритма) текст С*i* = ‘*qrscqcocqclc*’, зашифрованный аффинным шифром Цезаря при *N* =26, *а* = 3, *b* = 5.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **M** | **a** | **b** | **c** | **d** | **e** | **f** | **g** | **h** | **i** | **j** | **k** | **l** | **m** | **n** | **o** | **p** | **q** | **r** | **s** | **t** | **u** | **v** | **w** | **x** | **y** | **Z** |
| **Mi** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **x** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** |
| **Y = 3x+ 5** | **5** | **8** | **11** | **14** | **17** | **20** | **23** | **0** | **3** | **6** | **9** | **12** | **15** | **18** | **21** | **24** | **1** | **4** | **7** | **10** | **13** | **16** | **19** | **22** | **25** | **2** |
| **Ci** |  |  | **l** | **o** | **r** |  |  |  |  |  |  |  |  | **s** |  |  |  |  |  |  |  | **q** |  |  |  | **c** |

**X=a^-1(y+N-b)(mod N)**

**A^-1 = 9**

1. **y 16   
   x = 9 ( 16 + 26 - 5 ) mod 26 = 21  
   x = V**
2. **и т.д.**