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CMSC 203; 30503

Professor Alexander

Pseudocode:

1. For encrypt Caesar:
   1. Receive a character from the input and the cyber key.
   2. Cipher each letter based on the Caesar cipher
2. For decrypt Caesar:
   1. Receive a character from the output and the cyber key.
   2. Cipher each letter based on the Caesar cipher to return back to the original input
3. For encrypt Bellaso:
   1. Receive a character from the input and the cyber key.
   2. Cipher each letter based on the Bellaso cipher
4. For decrypt Bellaso:
   1. Receive a character from the output and the cyber key.
   2. Cipher each letter based on the Bellaso cipher to return back to the original input

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| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1  (Caesar) | ABC  15 | ABC  15 | PQR  ABC | PQR  ABC | yes |
| 2  (Bellaso) | ABC  HELLO | ABC  HELLO | IGO ABC | IGO ABC | yes |
| 3  (Caesar) | HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD  15 | HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD  15 | W^&/\$RW/&^^S  /RP]/P/&^^SRW$R  Z/RW$RZ/XU/P/&  ^^S/RW$RZ/R^$[S/  RW$RZ  HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD | W^&/\$RW/&^^S  /RP]/P/&^^SRW$R  Z/RW$RZ/XU/P/&  ^^S/RW$RZ/R^$[S/  RW$RZ  HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD | Yes |
| 4  (Bellaso) | HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD  15 | HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD  15 | PT#,\]HT,&WTP,R  IS,M/\_T[PRPZOW/  KM!OZ(NR,P(\[[S(  HT!RS%O[$TI,OW]  HW  HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD | PT#,\]HT,&WTP,R  IS,M/\_T[PRPZOW/  KM!OZ(NR,P(\[[S(  HT!RS%O[$TI,OW]  HW  HOW MUCH WOULD COULD A WOOD CHUCK CHUCK IF A WOOD CHUCK COULD CHUCK WOOD | Yes |