笹瀬研究室歓迎 Crypto 問 (CTF モドキ)

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来年の春輪講の案として作成しました.

1　and you, Brutus?
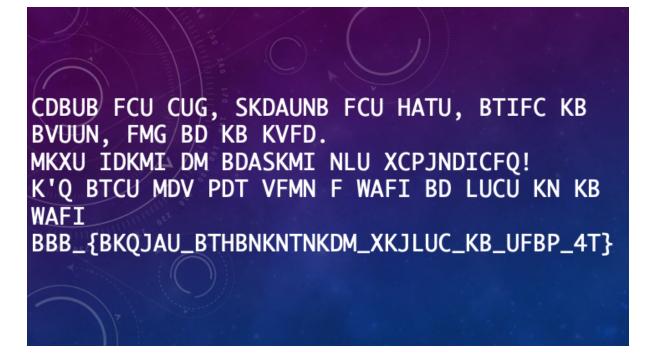

Tfexirklcrkzfe! Pfl riv JJJ_{r_dvdsvi_fw_jjj_crs}!

2　Can you read this?

CAN YOU READ THIS?

SSS_{IWANT_WILL_BE_THERE_WITH_YOU}

3 A pound of bacon

vvv_{ ⊔⌐•⌐⊙⅂ _ •☐ _ ⊙⌾•⌐ _ ⌄⌐•☐ }

4 Power is everything

CDBUB FCU CUG, SKDAUNB FCU HATU, BTIFC KB
BVUUN, FMG BD KB KVFD.
MKXU IDKMI DM BDASKMI NLU XCPJNDICFQ!
K'Q BTCU MDV PDT VFMN F WAFI BD LUCU KN KB
WAFI
BBB_{BKQJAU_BTHBNKNTNKDM_XKJLUC_KB_UFBP_4T}

5 It's difficult to factorize the product of two large prime numbers (but I can do it in my head)

N = 892828035995603664725435954703794737372894550179532437381292619256410502753

E = 65537

C = 204022974004232534773893689870919782890752150187734232882608489252421825606

Hints

1   I had rather be first in a village than second at Rome.

2   Japanese can't read this font.

3   School Days with a Pig

4   B=S

5   msieve, Extended Euclidean Algorithm