```
function testingInputs
% DEA
i = 16;
%for 64bit key, add K = subkey(key) before encrypting or decrypting
%%Test1%%
A =
ciphertext = encryption(key,A)
% This is the corrrect output according to
% 'http://page.math.tu-berlin.de/~kant/teaching/hess/krypto-ws2006/
des.htm'
ciphertext =
  %%Test2
% decrypting the ciphertext
is the Ciphertext
plaintext = decryption(key,A)
plaintext =
  %Make sure to change code depending on key size!!
%%Test3
A =
key = 0x0E329232EA6D0D73;
K = subkey(key); %converting to 56 bit key
ciphertext = encryption(K,A)
ciphertext =
  %%Test4
% decrypting the ciphertext
plaintext = decryption(K,A)
```

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