**[AES P](https://www.google.co.in/search?client=firefox-b-ab&q=aes+pseudocode&spell=1&sa=X&ved=0ahUKEwiE5IzWxYzTAhWKgI8KHSiGBKcQvwUIGCgA)*[seudocode](https://www.google.co.in/search?client=firefox-b-ab&q=aes+pseudocode&spell=1&sa=X&ved=0ahUKEwiE5IzWxYzTAhWKgI8KHSiGBKcQvwUIGCgA)***

Cipher(byte in[16], byte out[16], key\_array round\_key[Nr+1])

begin

byte state[16];

state = in;

AddRoundKey(state, round\_key[0]);

for i = 1 to Nr-1 stepsize 1 do

SubBytes(state);

ShiftRows(state);

MixColumns(state);

AddRoundKey(state, round\_key[i]);

end for

SubBytes(state);

ShiftRows(state);

AddRoundKey(state, round\_key[Nr]);

end