Task # 1

#include <iostream>

using namespace std;

int main()

{

int arr[5] = { 2882343476, 2, 3, 4, 5 };

int x;

for (int i = 0; i < 5; i++)

{

x = arr[i];

\_\_asm

{

mov al, byte ptr x[0]

mov ah, byte ptr x[3]

mov byte ptr x[0], ah

mov byte ptr x[3], al

mov al, byte ptr x[1]

ror al, 4

mov byte ptr x[1], al

}

arr[i] = x;

}

system("pause");

return 0;

}

Task # 2

#include <iostream>

using namespace std;

int main()

{

int arr[5] = { 2882343476, 2, 3, 4, 5 };

int x;

for (int i = 0; i < 5; i++)

{

x = arr[i];

\_\_asm

{

rol byte ptr x[0], 1

rol byte ptr x[3], 1

ror byte ptr x[1], 1

ror byte ptr x[2], 1

}

arr[i] = x;

}

system("pause");

return 0;

}