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int main(int argc , char *argv[]){
    printf ("Hello world!");
    return 0;
}

float Q_rsqrt(float number ){
    long i ;
    float x2, y;
    const float threehalfs = 1.500000;
    x2 = number * 0.500000;
    y = number;
    i = *(long *)&y;
    i = 0 - (i >> 1);
    y = *(float *)&i;
    y = y * (threehalfs - (x2 * y * y));
    return y;
}

void quick_sort(int arr [20], int low , int high ){
    int pivot, j, temp, i;
    if (low < high){
        pivot = low;
        i = low;
        j = high;
        while (i < j){
            while ((arr[i] ≤ arr[pivot]) ∧ (i < high)){
                i++;
            }
            while (arr[j] > arr[pivot]){
                j--;
            }
            if (i < j){
                temp = arr[i];
                arr[i] = arr[j];
                arr[j] = temp;
            }
        }
        temp = arr[pivot];
        arr[pivot] = arr[j];
        arr[j] = temp;
        quick_sort(arr, low, j - 1);
        quick_sort(arr, j + 1, high);
    }
}

void duff(register short *to, register short *from, register count ){

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    register n = (count + 7) / 8;
    switch (count % 8){
        case 0: do {
            to++ = *from++;
            case 7: *to++ = *from++;
            case 6: *to++ = *from++;
            case 5: *to++ = *from++;
            case 4: *to++ = *from++;
            case 3: *to++ = *from++;
            case 2: *to++ = *from++;
            case 1: *to++ = *from++;
        }
        while (-n > 0);
    }
}

send(to, from, count)register short *to, *from;
register count ;
{
    register n = (count + 7) / 8;
    switch (count % 8){
        case 0: do {
            to = *from++;
            case 7: *to = *from++;
            case 6: *to = *from++;
            case 5: *to = *from++;
            case 4: *to = *from++;
            case 3: *to = *from++;
            case 2: *to = *from++;
            case 1: *to = *from++;
        }
        while (-n > 0);
    }
}

```