

start

```
read value
queue of chars named q1 and q2
while sizeOf value mode 2 not equal to zero
    read value
end while

loop from i = 0 to less than sizeOf value / 2 , i++
    if( i mode 2 equal to zero )
        q1.enqueue( value of index i )
    end if

    if( i mode 2 not equal to zero )
        q2.enqueue( value of index i )
    end if

end loop

loop from i = 0 to less than sizeOf value / 2 , i++
    if( i mode 2 equal to zero )
        print ( q1.dequeue() )
    end if

    if( i mode 2 not equal to zero )
        print ( q2.dequeue() )
    end if

end loop
```

END