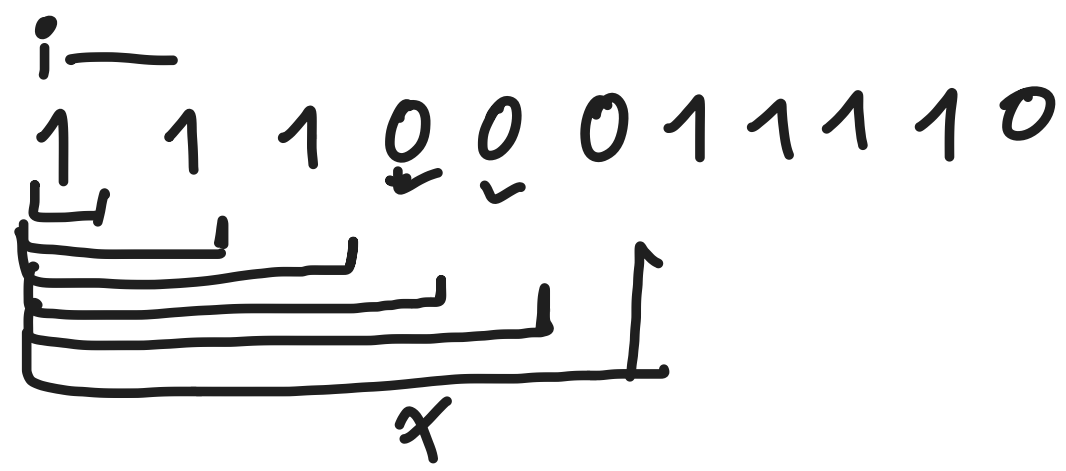
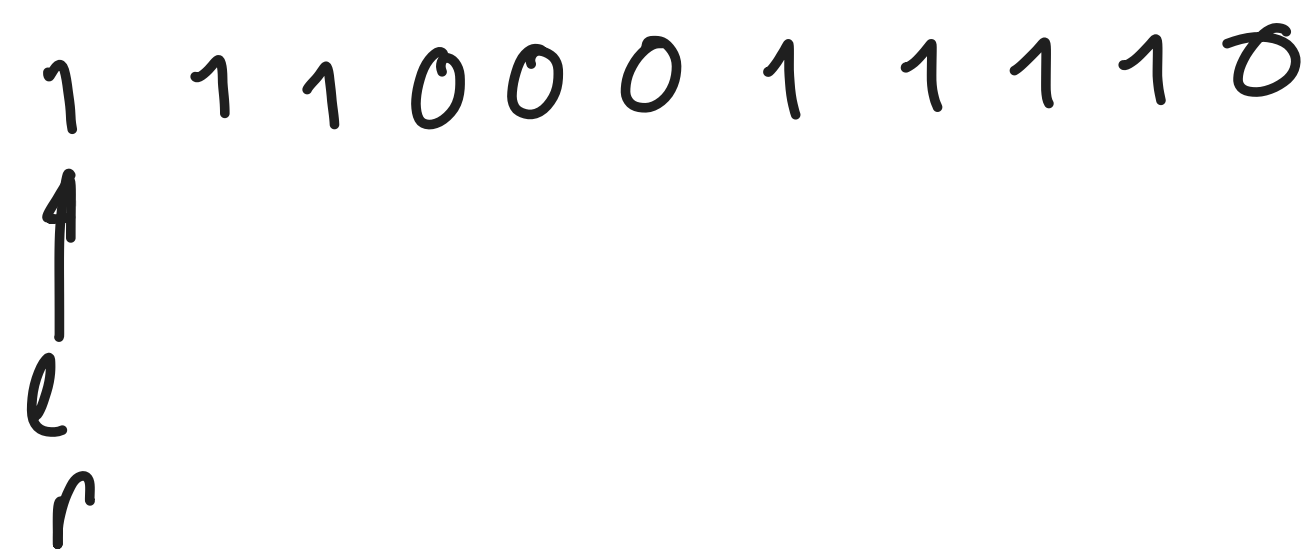


Max consecutive One's



```
function MaxCons (vector<int> arr, int k)
    int maxlen = 0, l = 0, r = 0;
    int n = arr.size();
    int zeros = 0;
    while (r < arr.size())
        if (arr[r] == 0) zeros++;
        while (zeros > k) {
            if (arr[l] == 0)
                zeros--;
            l++;
        }
        if (zeros <= k)
            int len = r - l + 1;
            maxlen = max(maxlen, len);
        r++;
    }
    return maxlen;
}
```

To Remove the internal while loop
for better optimization;



```
function MaxCons (vector<int> arr, int k)
    int maxlen = 0, l = 0, r = 0;
    int n = arr.size();
    int zeros = 0;
    while (r < arr.size())
        if (arr[r] == 0) zeros++;
        if (zeros > k) {
            if (arr[l] == 0)
                zeros--;
            l++;
        }
        if (zeros <= k)
            int len = r - l + 1;
            maxlen = max(maxlen, len);
        r++;
    }
    return maxlen;
}
```