Jakub Kowalski, 323519, zadanie 2

```
def element(X, l, k):
    if l == 1 and k == 1: return X[c]
    c = c
    m = 0
    for i in range(1, l):
        if X[i] < X[c]: m = m + 1
        else: c = c + 1
    if m == k - 1: return X[c]
    elif m < k - 1:
        Y = Array[l + 1]
        Y[0] = X[c]
        i = 0
        j = c
        while i < l:
            if X[j] > X[c]:
                Y[i] = X[j]
                i = i + 1
            j = j + 1
        return element(Y, 1, k)
    else:
        Y = Array[m + 1]
        Y[m] = X[c]
        i = c
        j = 0
        while i < m:
            if X[j] < X[c]:
                i = i + 1
                Y[i] = X[j]
            j = j + 1
        return element(Y, m + 1, k)
```

temp = Y[c]
Y[c] = Y[(l+1)/2]
Y[(l+1)/2] = temp

temp = Y[c]
Y[c] = Y[(m+1)/2]
Y[(m+1)/2] = temp