Max Min

#!/bin/python3

import math

import os

import random

import re

import sys

# Complete the maxMin function below.

def maxMin(k, arr):

ans = 10\*\*9

arr\_s = sorted(arr)

for i in range(len(arr) - k + 1):

sub\_arr\_min = arr\_s[i]

sub\_arr\_max = arr\_s[i+k-1]

ans = min(sub\_arr\_max - sub\_arr\_min, ans)

return ans

if \_\_name\_\_ == '\_\_main\_\_':

fptr = open(os.environ['OUTPUT\_PATH'], 'w')

n = int(input())

k = int(input())

arr = []

for \_ in range(n):

arr\_item = int(input())

arr.append(arr\_item)

result = maxMin(k, arr)

fptr.write(str(result) + '\n')

fptr.close()

