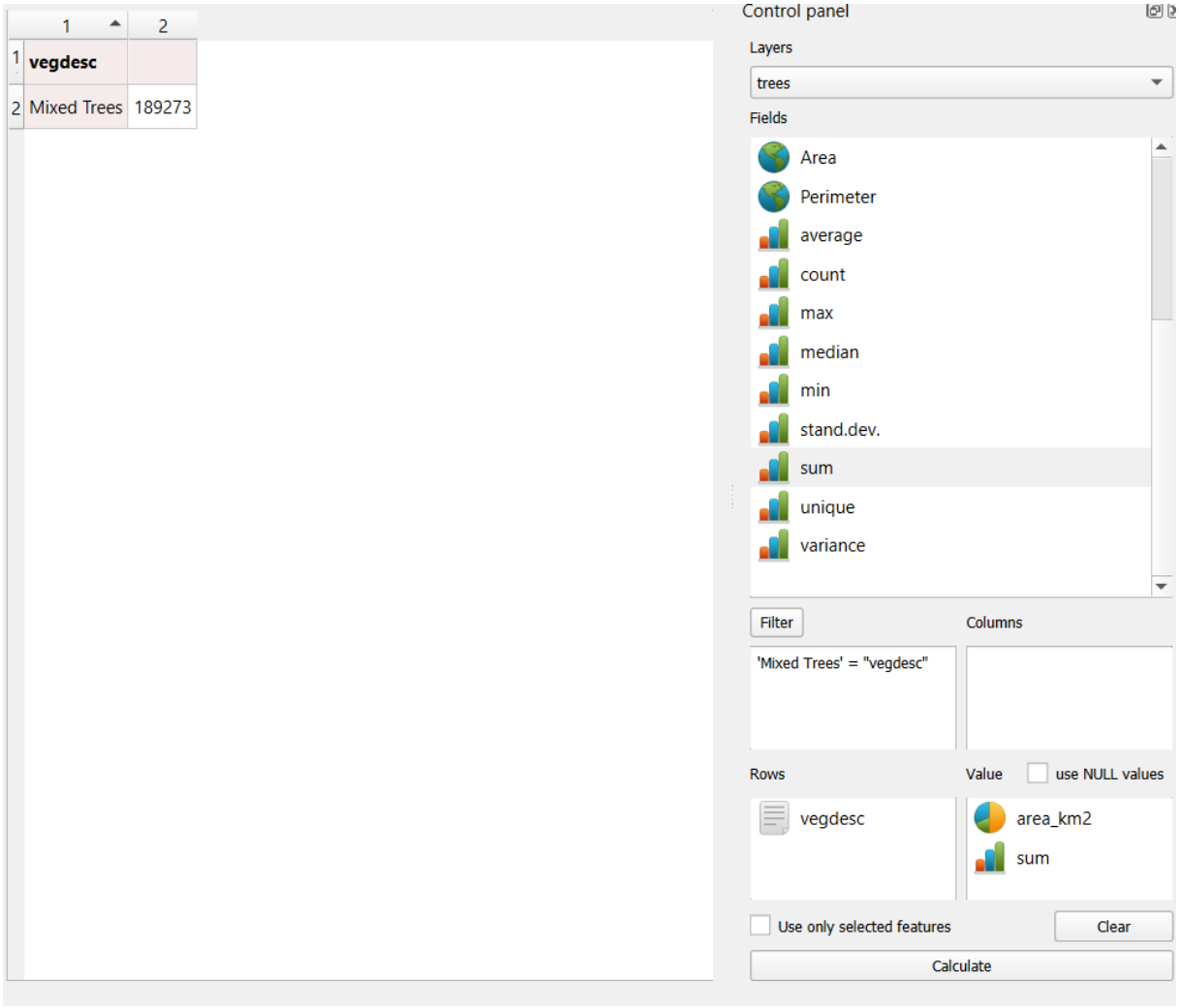
ĆWICZENIA IV

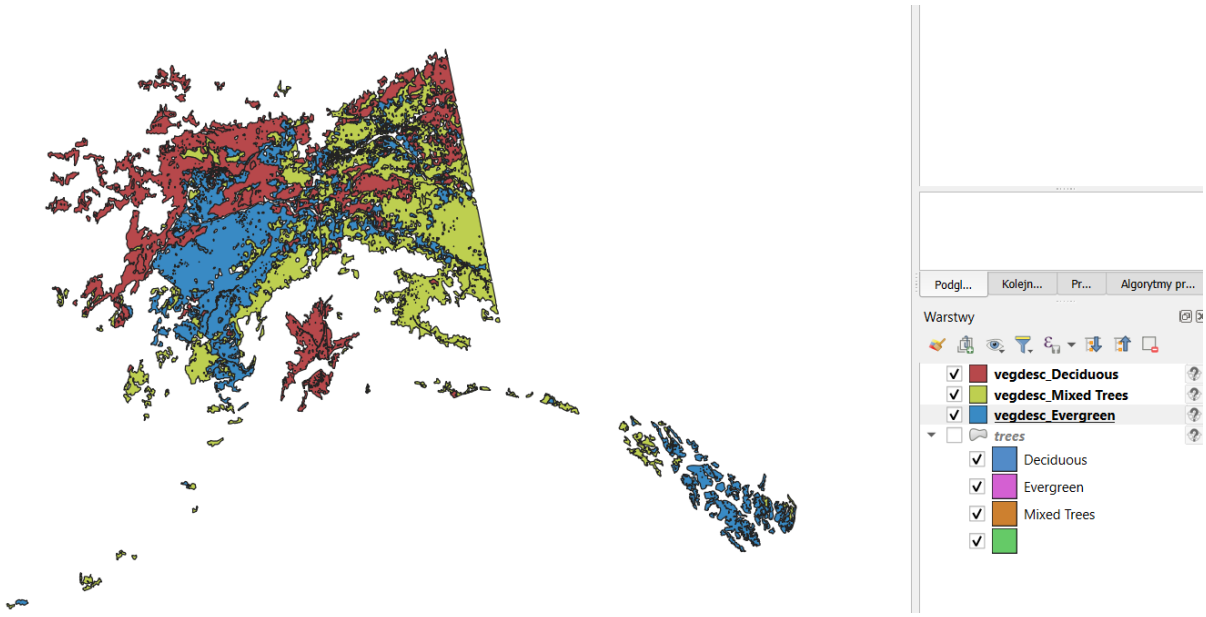
Zadanie 1

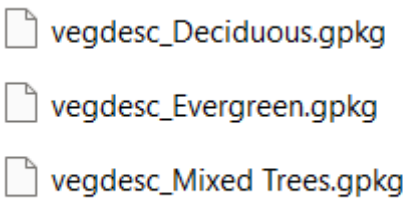
Powierzchnia



Zadanie 2

Rozdzielone warstwy





Zadanie 3

Łączna długość

```
  OUTPUT_HTML_FILE: C:
\Users\kuban\AppData\Local\Temp\processing_owXcvG\c7327b78a467434585851d7cec8cd0b4\OUTPUT_HTML_FILE.html
  COUNT: 22
  UNIQUE: 22
  EMPTY: 0
  FILLED: 22
  MIN: 3334.385
  MAX: 155781.188
  CV: 0.9644253271898905
  SUM: 880923.7540000002
  MEAN: 40041.988818181824
  STD_DEV: 38617.508167308944
  RANGE: 152446.80299999999
  MEDIAN: 26301.0605
  MINORITY: 3334.385
  MAJORITY: 3334.385
  FIRSTQUARTILE: 13542.297
  THIRDQUARTILE: 52548.309
  IQR: 39006.012
```

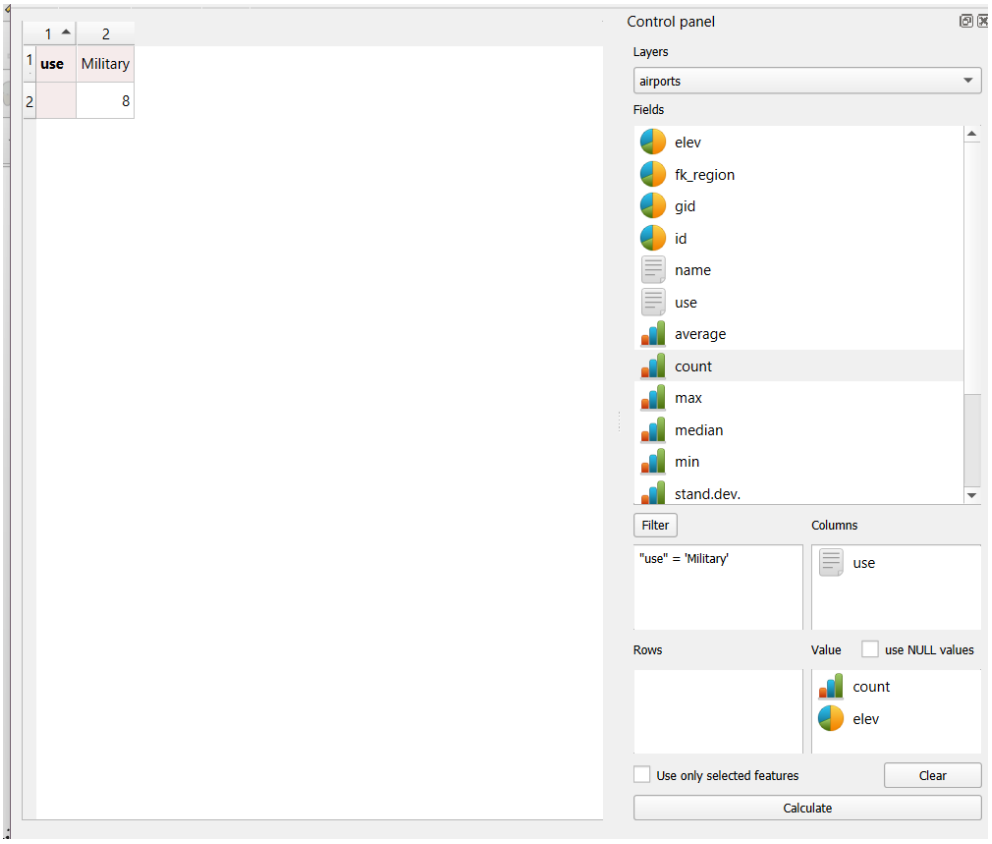
Długość dla poszczególnych elementów

	gid	cat	exsdesc	f_code	f_codedesc	fcodesc	długość
1	5	5.00000000000...	Operational	AN010	Railroad	Single	3334.385
2	29	29.0000000000...	Operational	AN010	Railroad	Single	4516.952
3	33	33.0000000000...	Operational	AN010	Railroad	Single	5634.268
4	58	58.0000000000...	Operational	AN010	Railroad	Single	5678.184
5	8	8.00000000000...	Operational	AN010	Railroad	Single	6105.399
6	32	32.0000000000...	Operational	AN010	Railroad	Single	13542.297
7	31	31.0000000000...	Operational	AN010	Railroad	Single	16567.876
8	7	7.00000000000...	Operational	AN010	Railroad	Single	17316.227
9	60	60.0000000000...	Operational	AN010	Railroad	Single	18945.736
10	59	59.0000000000...	Operational	AN010	Railroad	Single	22445.366
11	34	34.0000000000...	Operational	AN010	Railroad	Single	23659.152
12	6	6.00000000000...	Operational	AN010	Railroad	Single	28942.969
13	30	30.0000000000...	Operational	AN010	Railroad	Single	32827.320
14	53	53.0000000000...	Operational	AN010	Railroad	Single	33202.678
15	54	54.0000000000...	Operational	AN010	Railroad	Single	47490.583
16	3	3.00000000000...	Operational	AN010	Railroad	Single	48984.656
17	57	57.0000000000...	Operational	AN010	Railroad	Single	52548.309
18	2	2.00000000000...	Operational	AN010	Railroad	Single	64535.430
19	4	4.00000000000...	Operational	AN010	Railroad	Single	70421.013
20	55	55.0000000000...	Operational	AN010	Railroad	Single	93739.920
21	1	1.00000000000...	Operational	AN010	Railroad	Single	114703.846
22	56	56.0000000000...	Operational	AN010	Railroad	Single	155781.188

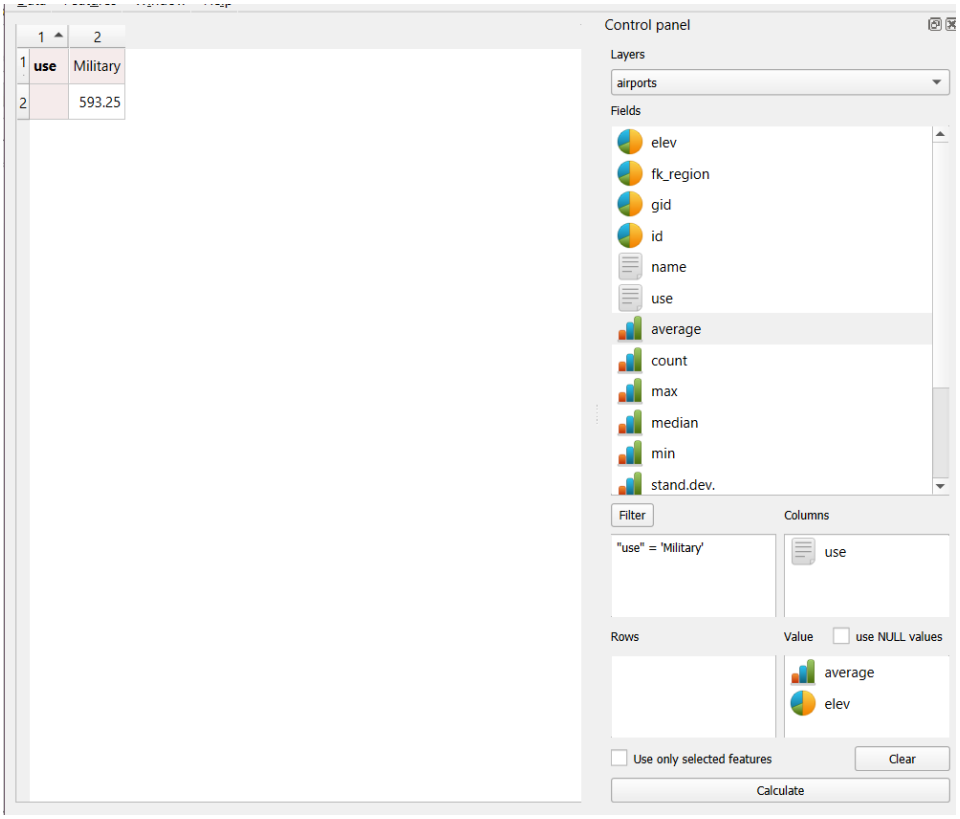
Przycięty poligon

Zadanie 4

Ilość militarnych



Średnia militarnych



	1	2
1	use	Military
2		593.25

Control panel

Layers: airports

Fields: elev, fk_region, gid, id, name, use, average, count, max, median, min, stand.dev.

Filter: "use" = 'Military'

Columns: use

Rows:

Value: average, elev

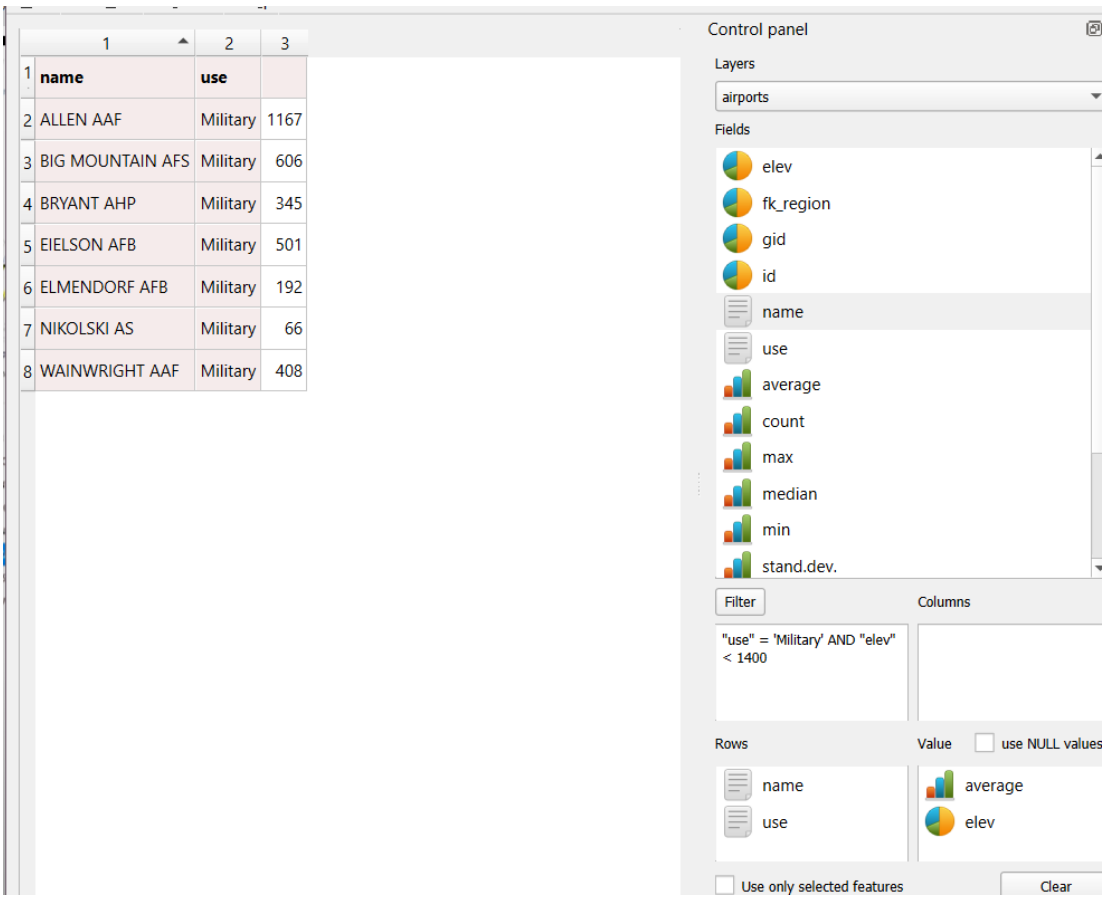
Use NULL values

Use only selected features

Clear

Calculate

Lotniska spełniające warunki



	1	2	3
1	name	use	
2	ALLEN AAF	Military	1167
3	BIG MOUNTAIN AFS	Military	606
4	BRYANT AHP	Military	345
5	EIELSON AFB	Military	501
6	ELMENDORF AFB	Military	192
7	NIKOLSKI AS	Military	66
8	WAINWRIGHT AAF	Military	408

Control panel

Layers: airports

Fields: elev, fk_region, gid, id, name, use, average, count, max, median, min, stand.dev.

Filter: "use" = 'Military' AND "elev" < 1400

Columns:

Rows: name, use

Value: average, elev

Use NULL values

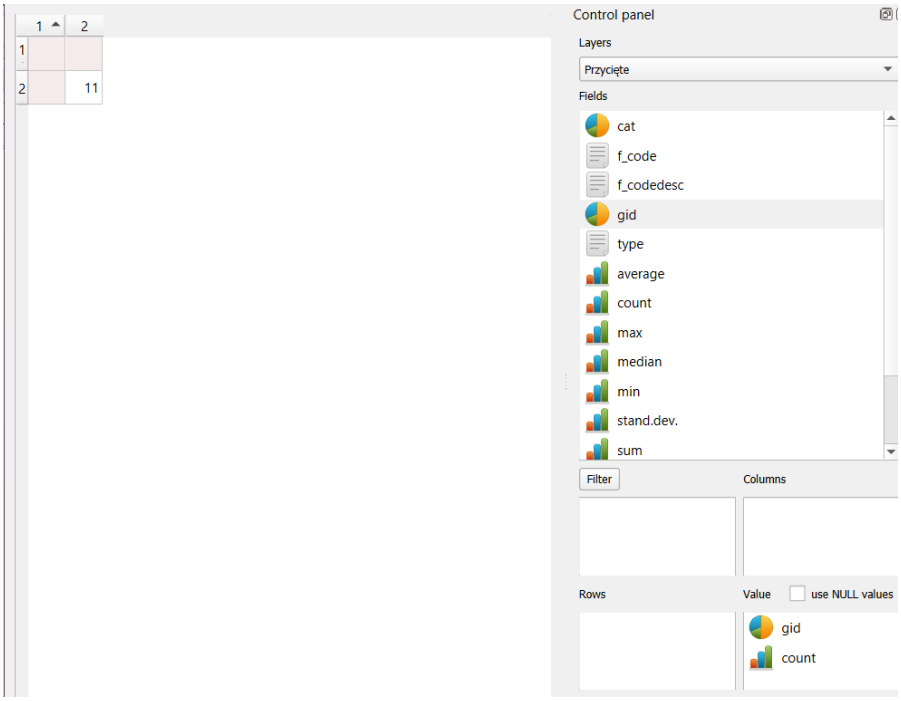
Use only selected features

Clear

Wykluczone lotnisko

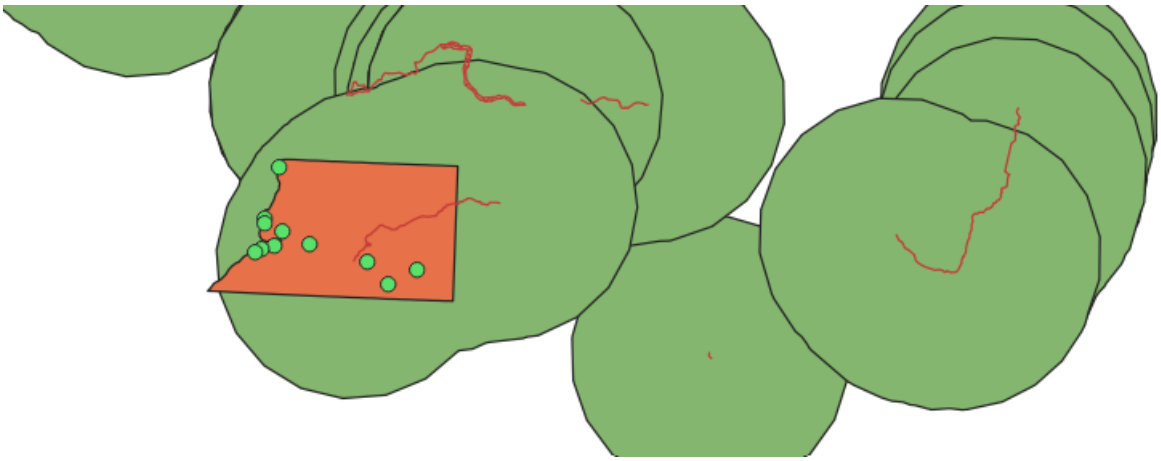
Zadanie 5

Budynki spełniające warunek



Zadanie 6

Bufor

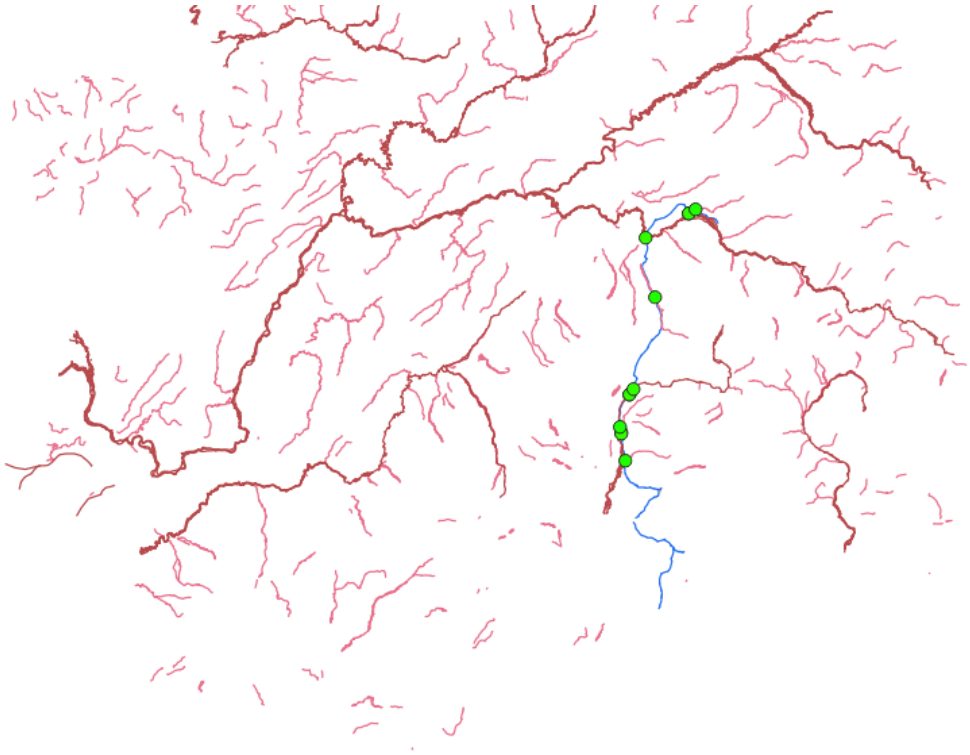


Ilość budynków

1	2
1	
2	11

Zadanie 7

Punkty przecięcia



Zadanie 8

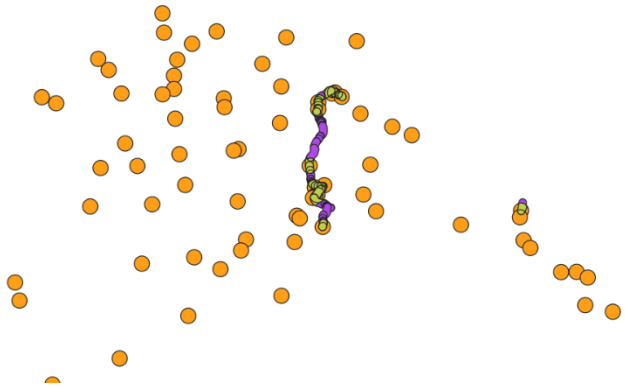
Ilość węzłów

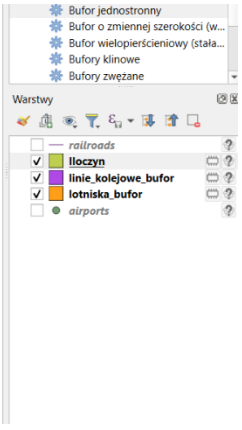
1	2
1	
2	662

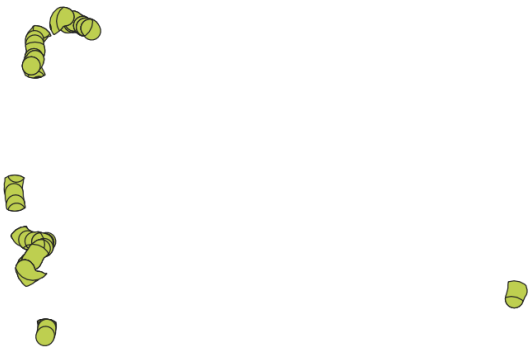
Węzły

Zadanie 9

Lokalizacje hoteli



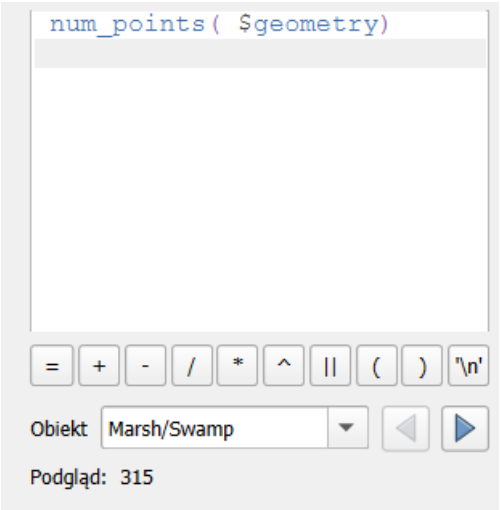




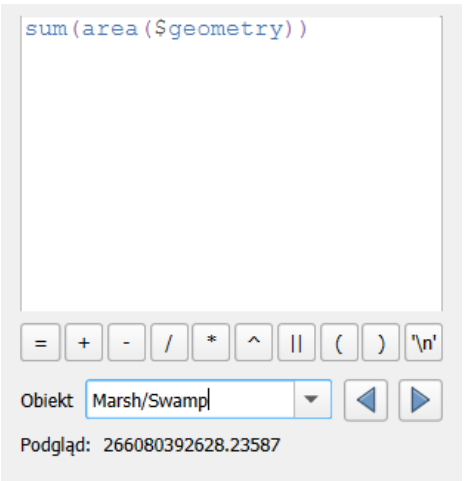
Zadanie 10

Oryginalna geometria

Ilość punktów

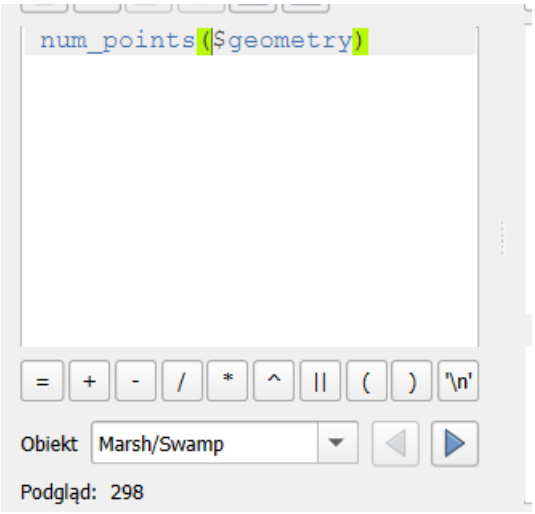


Powierzchnia



Geometria po uproszczeniu

Ilość punktów



Powierzchnia