

```
In[3]:= alfabet = Alphabet["Italian"];
alfabet2 = Tuples[alfabet, 2];
aa = Table[StringJoin[{alfabet2[[t, 1]], alfabet2[[t, 2]]}], {t, 1, Length[alfabet2]};
słowa = Table[DictionaryLookup["Italian", aa[[t]] ~~ _], {t, 1, Length[aa]};
ilosc = Table[Length[słowa[[t]]], {t, 1, Length[słowa]};
ilosclista = Partition[ilosc, Length[alfabet]];
```

```
In[14]:= dane = Table[{StringJoin[aa[[t]], ".."], ilosc[[t]]}, {t, 1, Length[aa]}];
```

```
chmurka = WordCloud[dane,
```

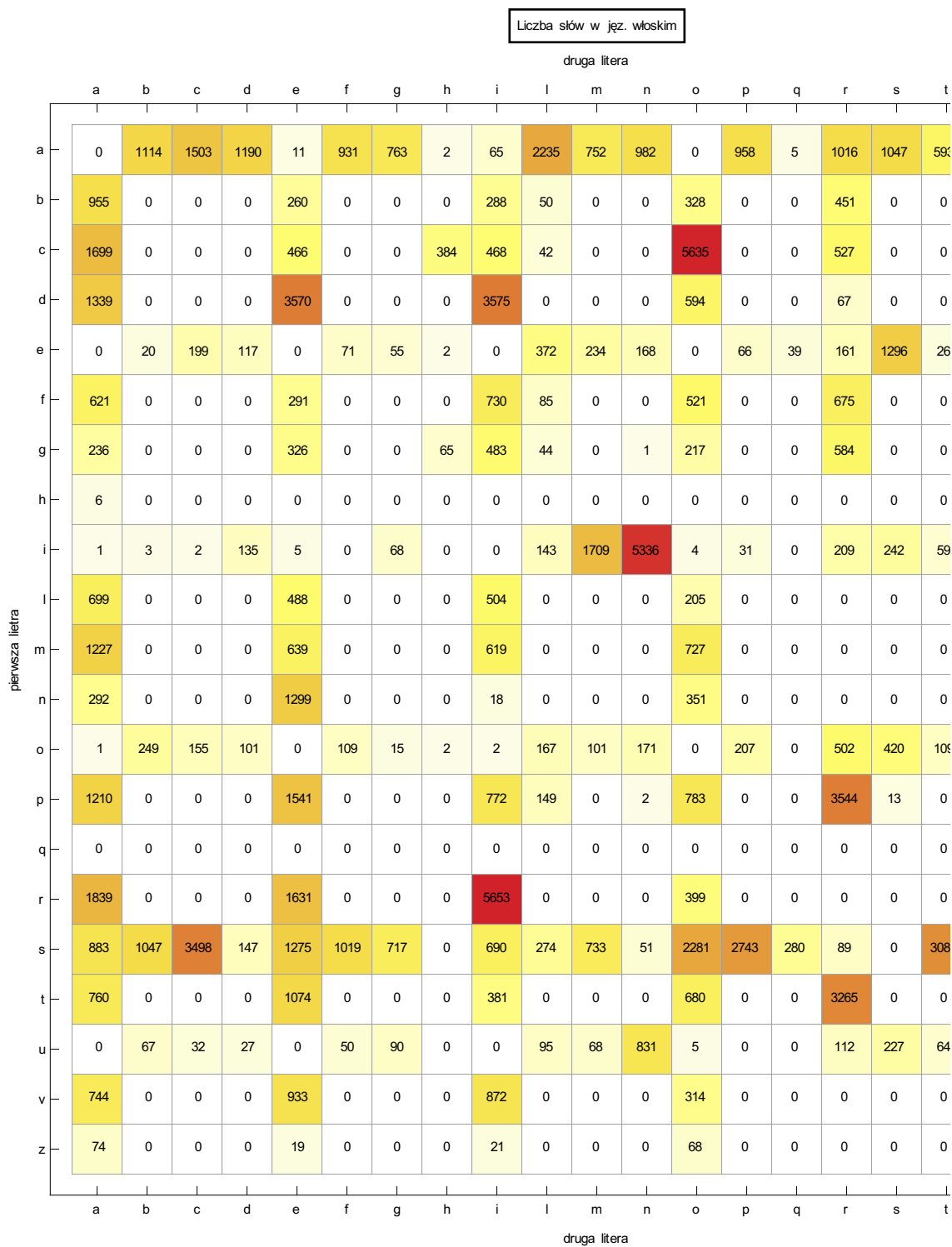


```
, ImageSize -> 790];
```

```
In[20]:= ticks = Table[{i, alfabet[[i]]}, {i, 1, Length[alfabet]}];
matrix = MatrixPlot[ilosclista, ColorFunction -> "TemperatureMap",
FrameTicks -> {ticks, ticks, ticks, ticks},
ImageSize -> 740, Mesh -> All, ColorRules -> {0 -> White},
Epilog ->
{Inset[GraphicsGrid[ilosclista, ImageSize -> 650], {Length[alfabet]/2, Length[alfabet]/2}],
FrameLabel -> {"pierwsza litera", "druga litera", "pierwsza litera", "druga litera"},
PlotLegends -> Placed[Framed["Liczba słów w języku włoskim"], Above];
```

```
In[16]:= all = GraphicsGrid[{{matrix, chmurka}}]
```

Out[16]=



```
In[17]:= CloudExport[all, "PDF"]
```

```
Out[17]= CloudObject[https://www.wolframcloud.com/obj/7c1bf4a2-6501-4c4b-bcf8-d6760543cd8d]
```