

Uczenie nadzorowane (supervised)

Title	Comment	Toxic? (Sentiment)
Title 1	You are rure	1
Title 2	You are clown	1
Title 3	Thank you for...	0
Title 4	Can you descibe me...	0

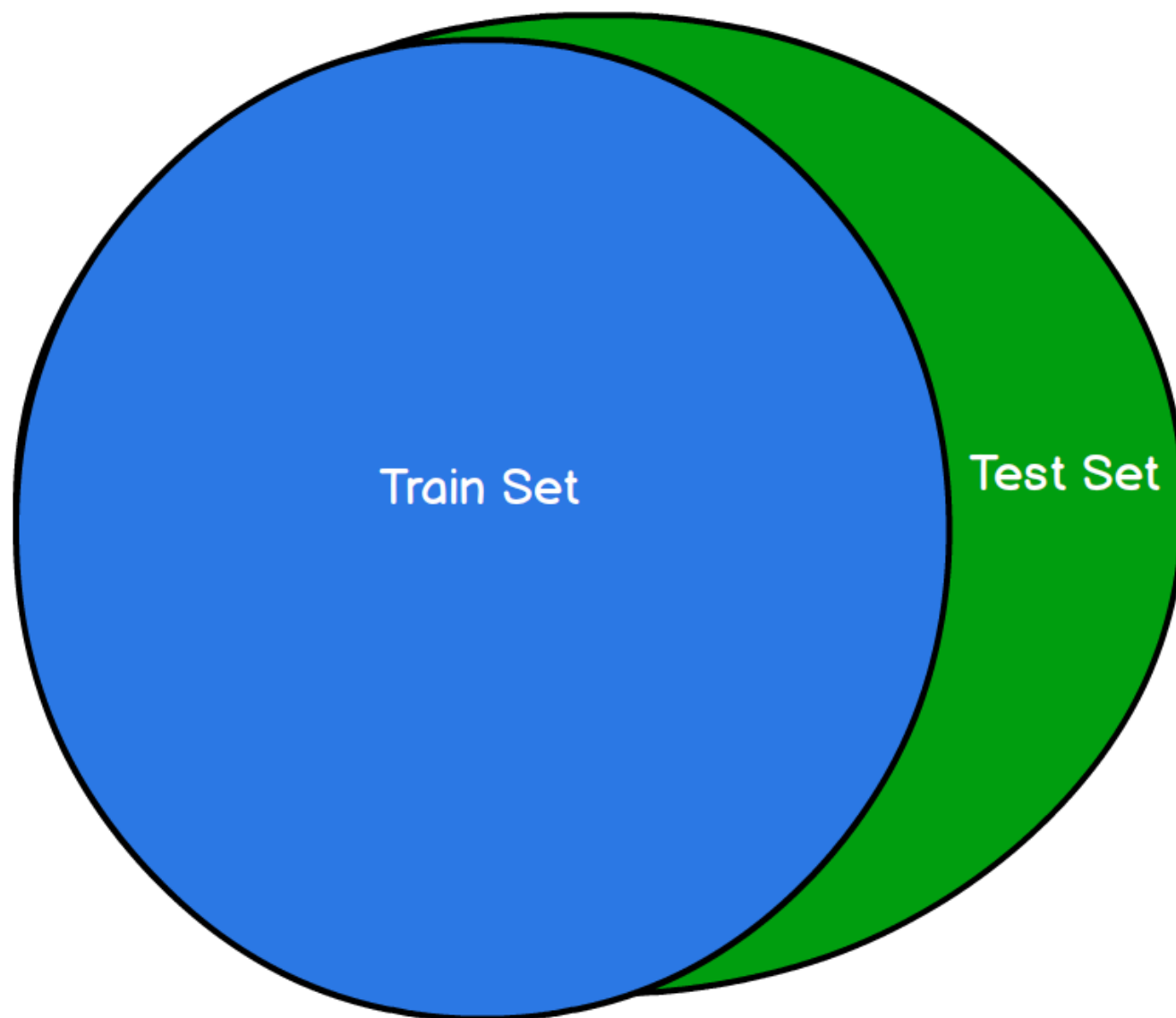


features

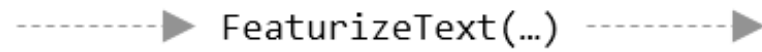


label

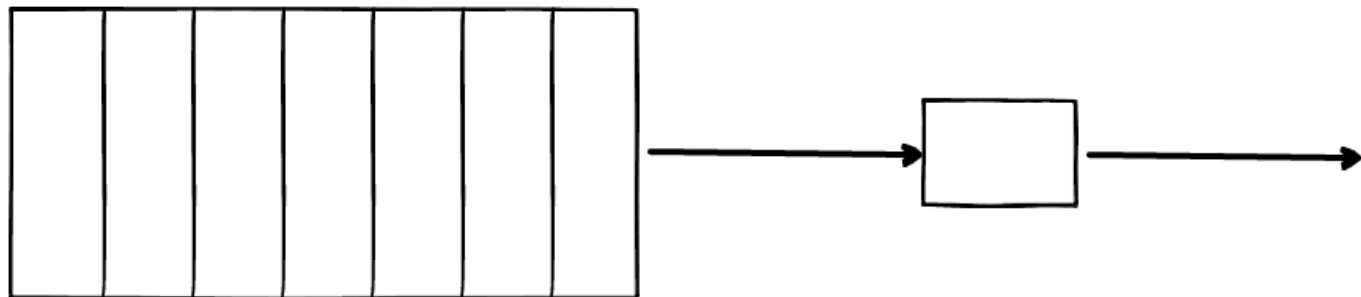
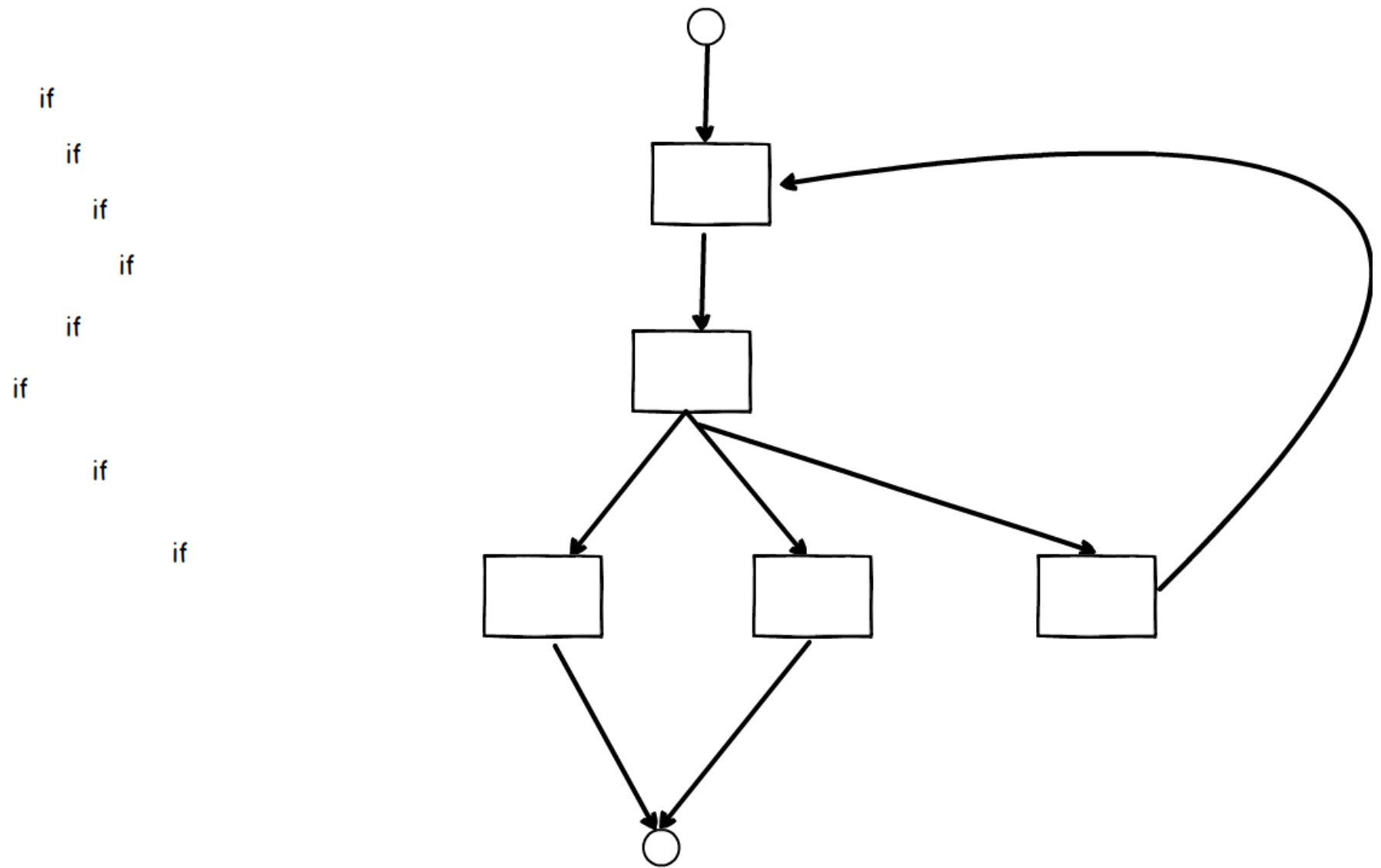
Zbiór treningowy i testowy



Text
Wow... Loved this place
Crust is not good.
Not tasty and the texture was just nasty.
The selection on the menu was great.



Featurized text
[0.76, 0.65, 0.44, ...]
[0.98, 0.43, 0.54, ...]
[0.35, 0.73, 0.46, ...]
[0.39, 0.00, 0.75, ...]



ML.NET

1. framework dla programistów .NET
2. Wysoka wydajność
3. Łatwość wdrożenia

ML.NET

Model Builder

(Visual Studio UI)

ML.NET CLI

(Cross-platform tool)

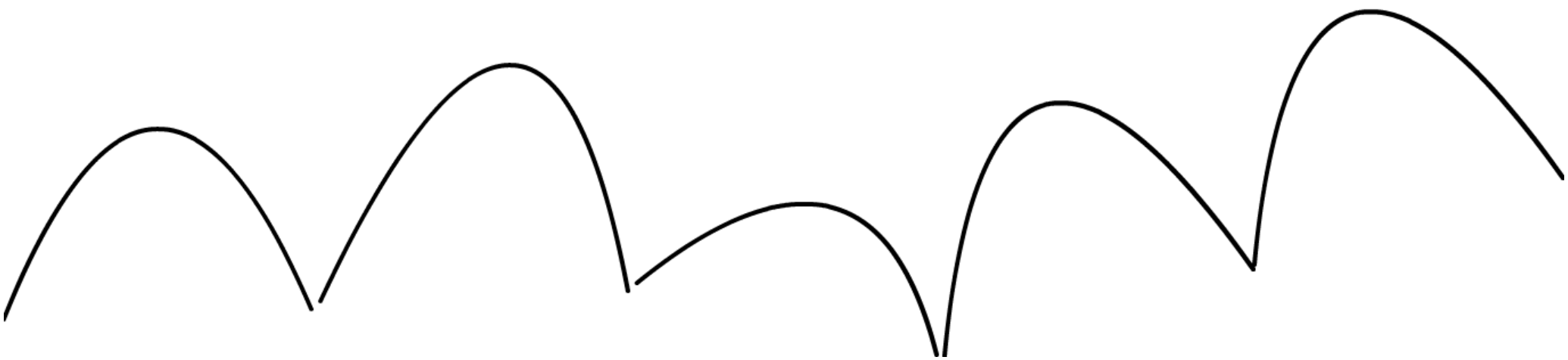
AutoML (API)

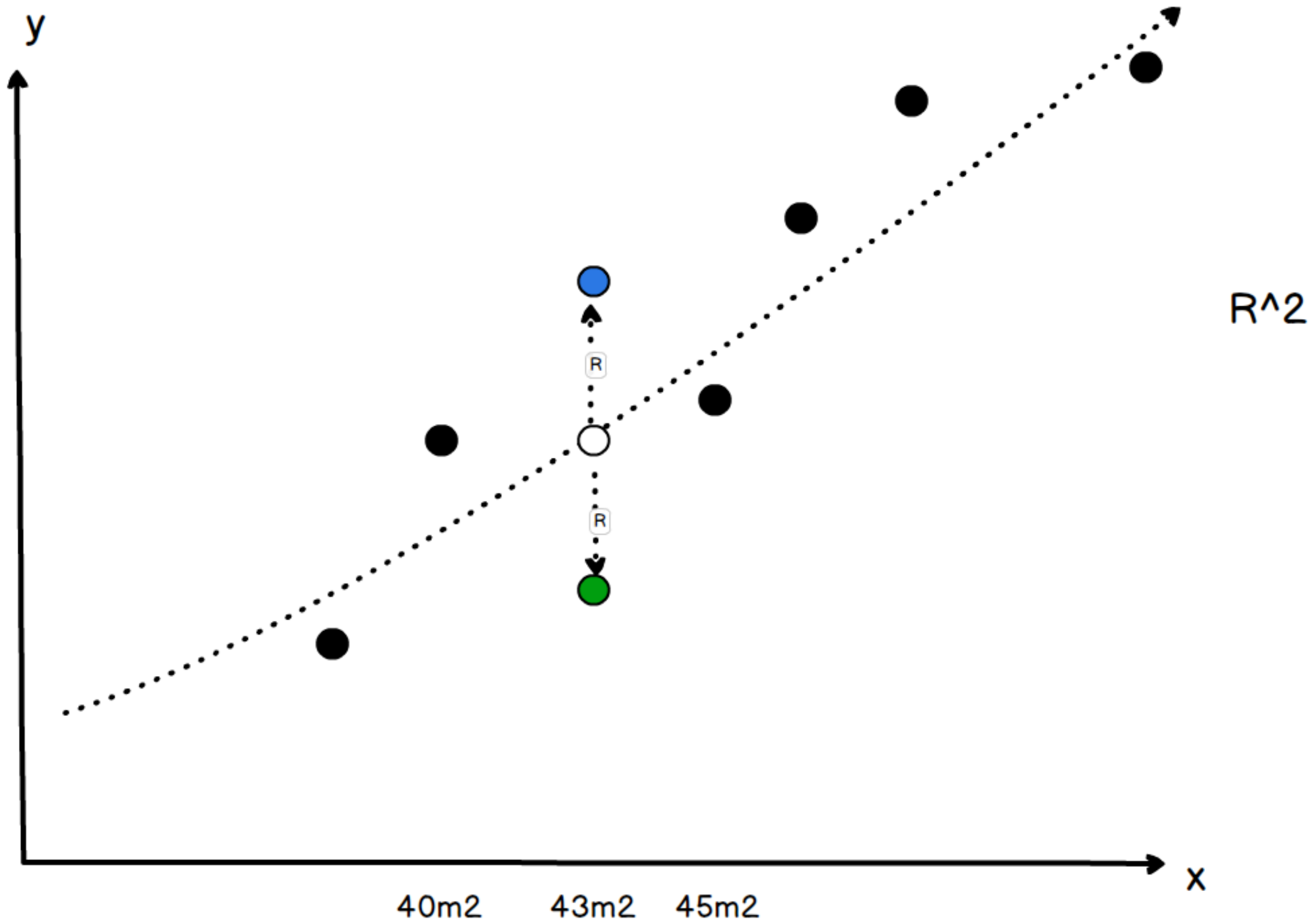
(Microsoft.ML.AutoML)

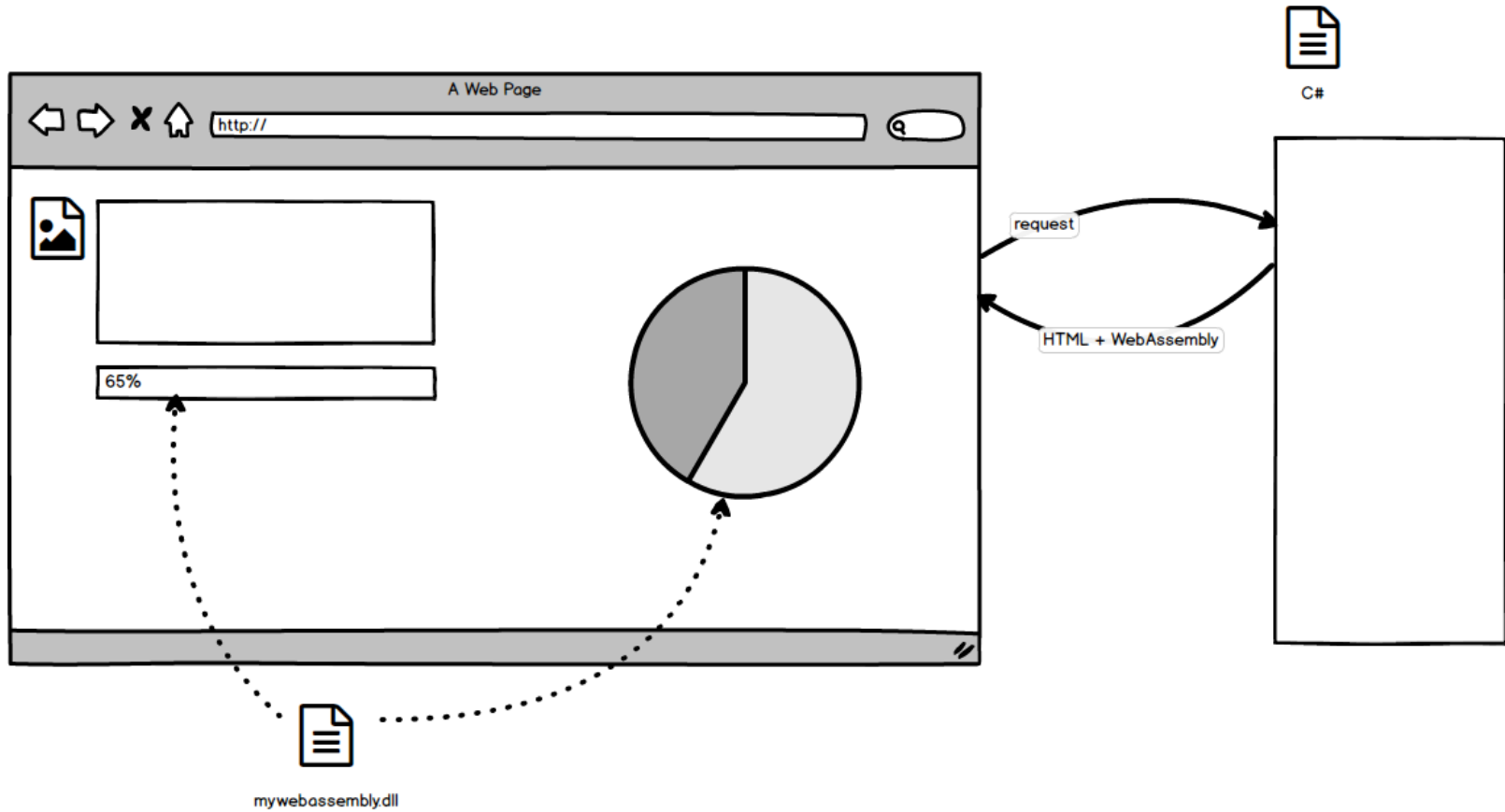
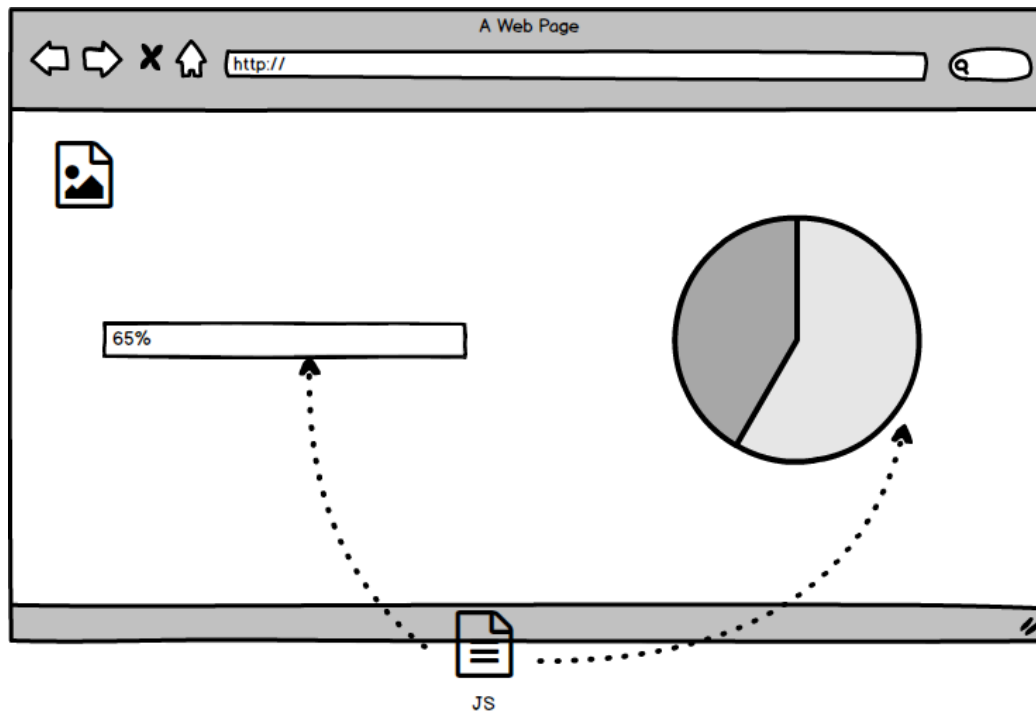
ML.NET (API)

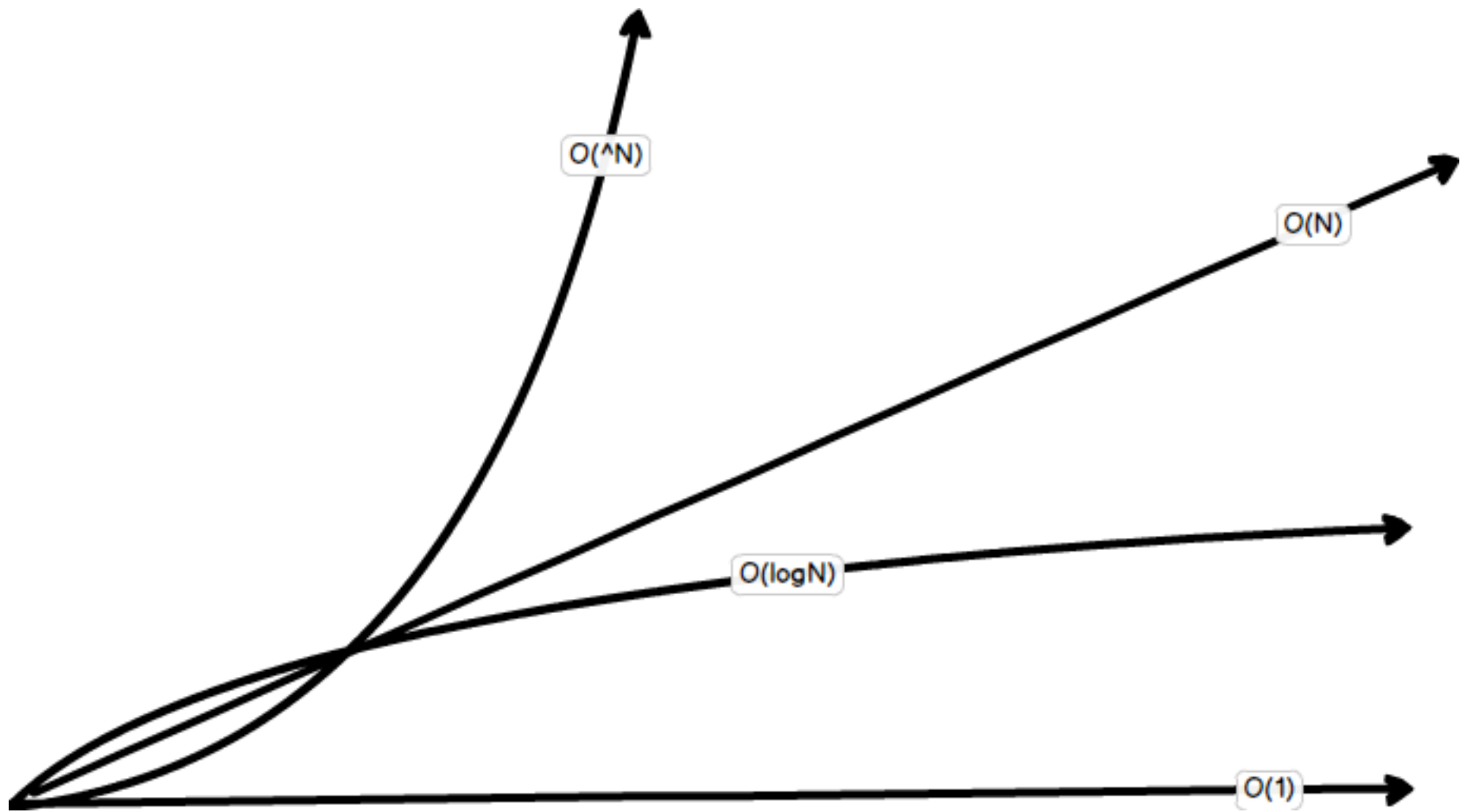
(Microsoft.ML)

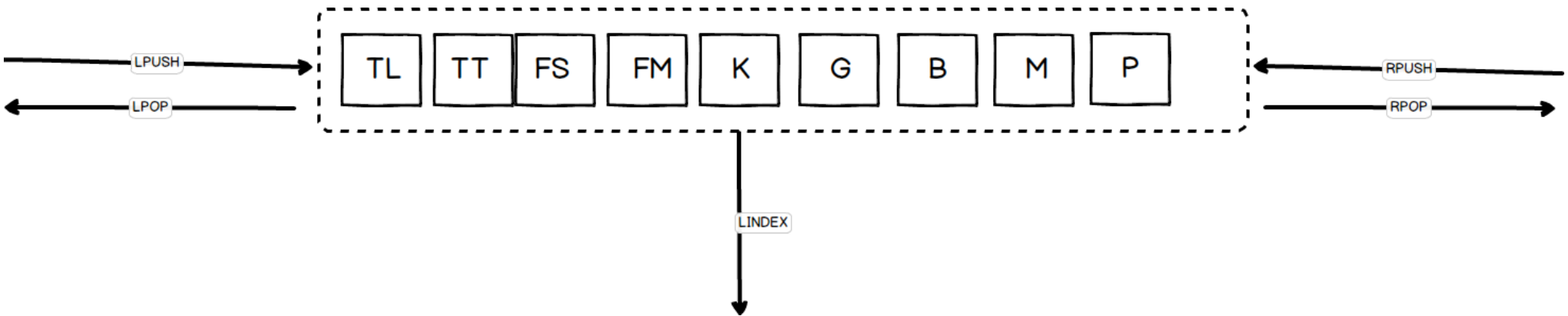
—

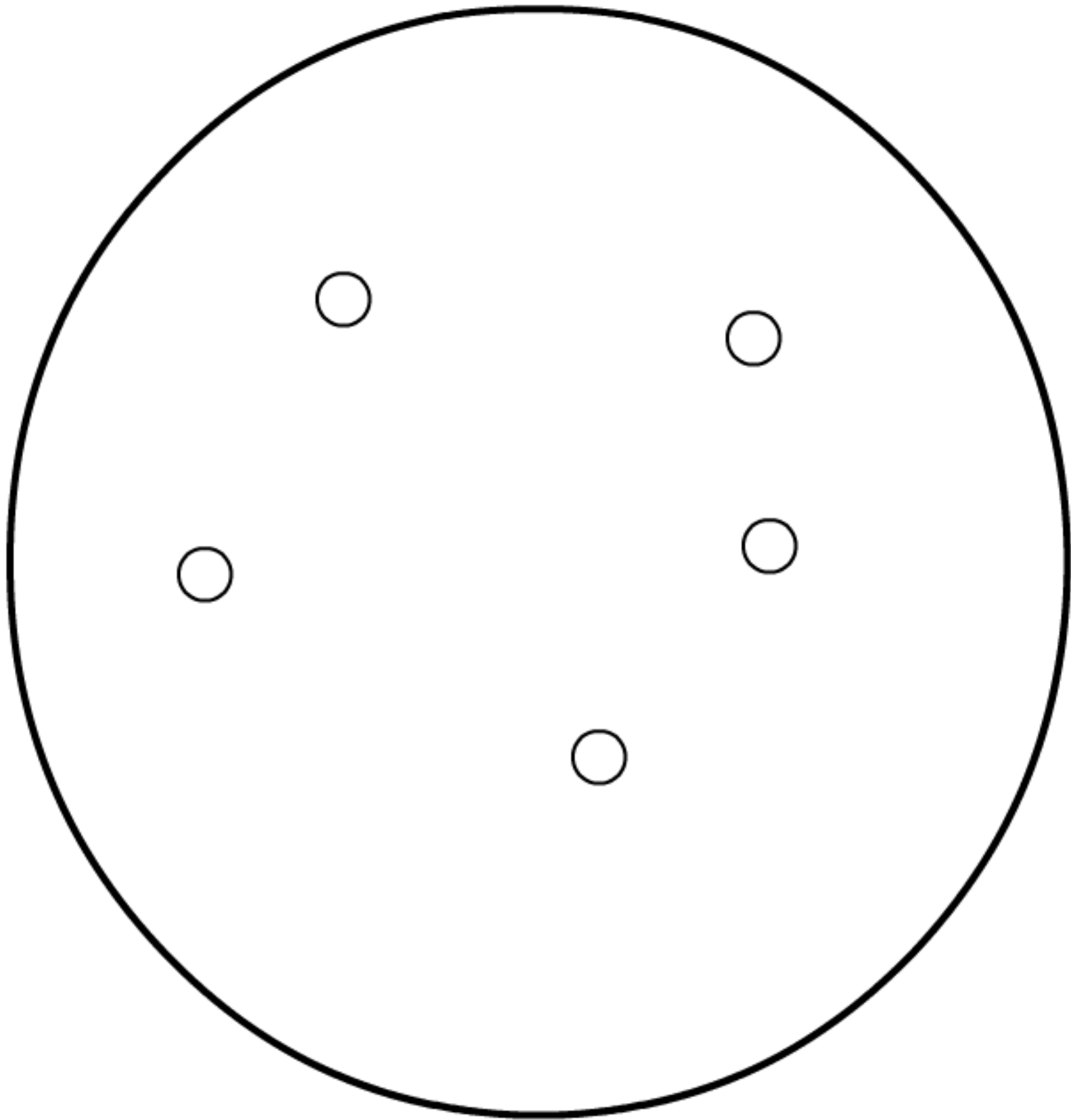


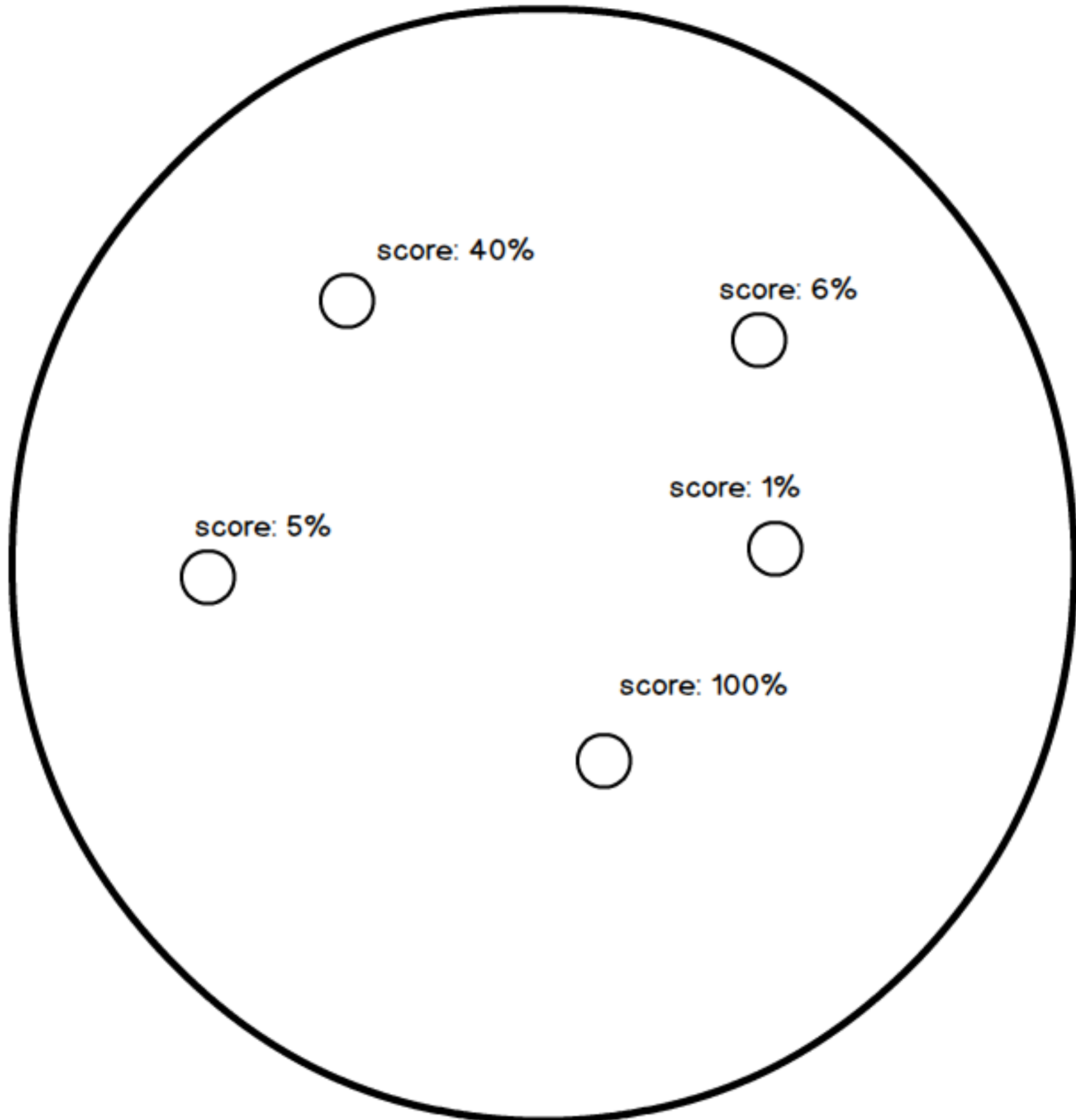


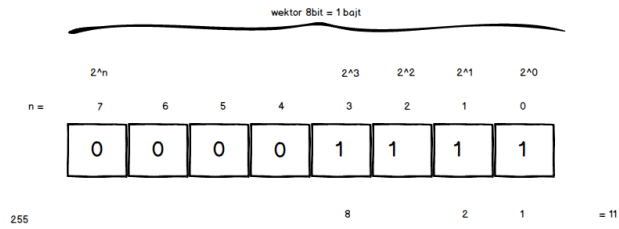
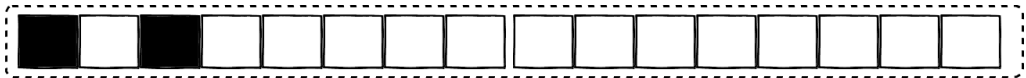












Window Name

Field4

Field3

Field2

Field1

a

ComboBox

ComboBox

ComboBox

ComboBox

b

ComboBox

ComboBox

ComboBox

ComboBox

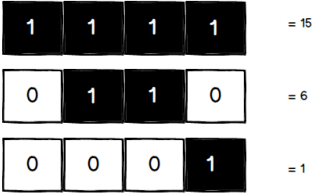
c

ComboBox

ComboBox

ComboBox

ComboBox



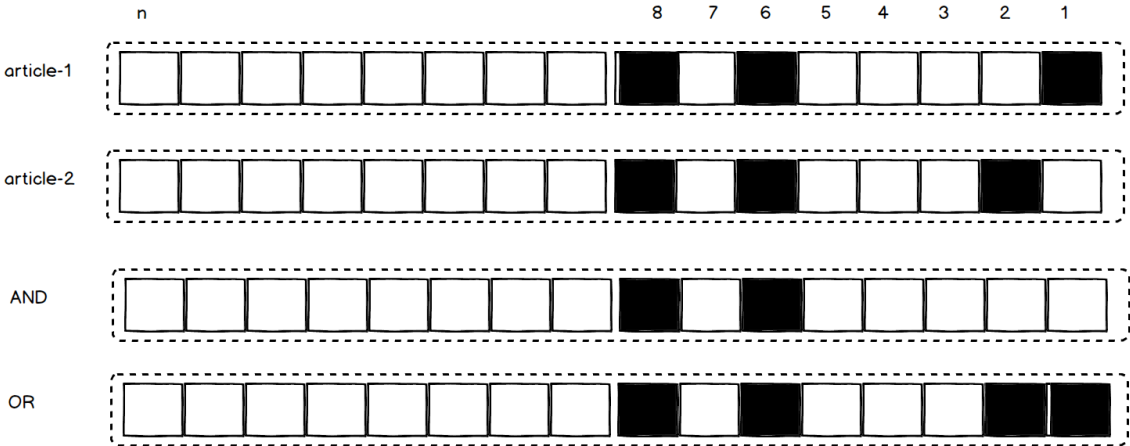
Blocking blocking = Blocking.Field2 | Blocking.Field3

```
[Flags]
enum Blocking
{
    Field1 = 1,
    Field2 = 2,
    Field3 = 4,
    Field4 = 8
}
```

```
int value = (int) blocking;
```

users

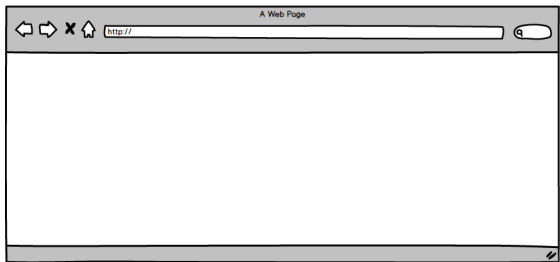
ID	(job title) ^	Age ^	Nickname	Employee ▼
1	acomo Gullizzoni Founder & CEO	40	Peldi	Ⓢ
2	Marco Botton Tuttofare	38		☑
6	Mariah Maclochlari Better Hall	41	Patata	☐
7)	Val	☑



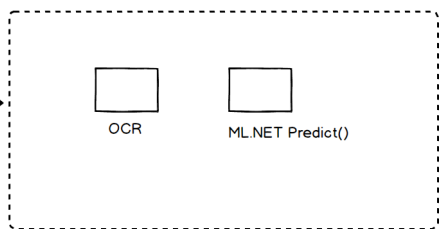
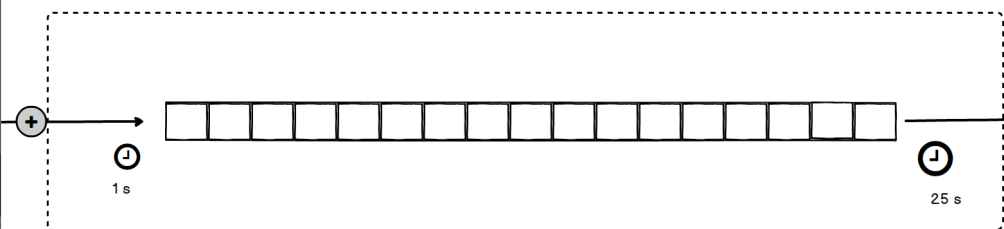
NOT
AND
OR
XOR

Geography





channel

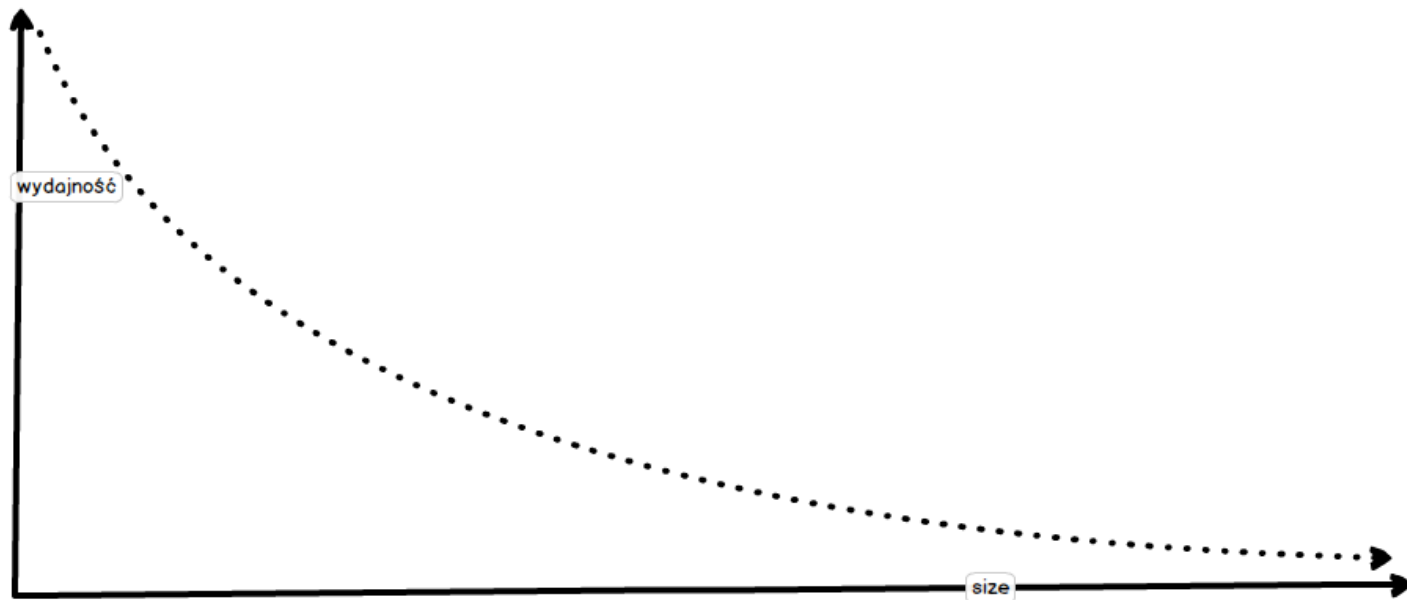


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InfluxDb

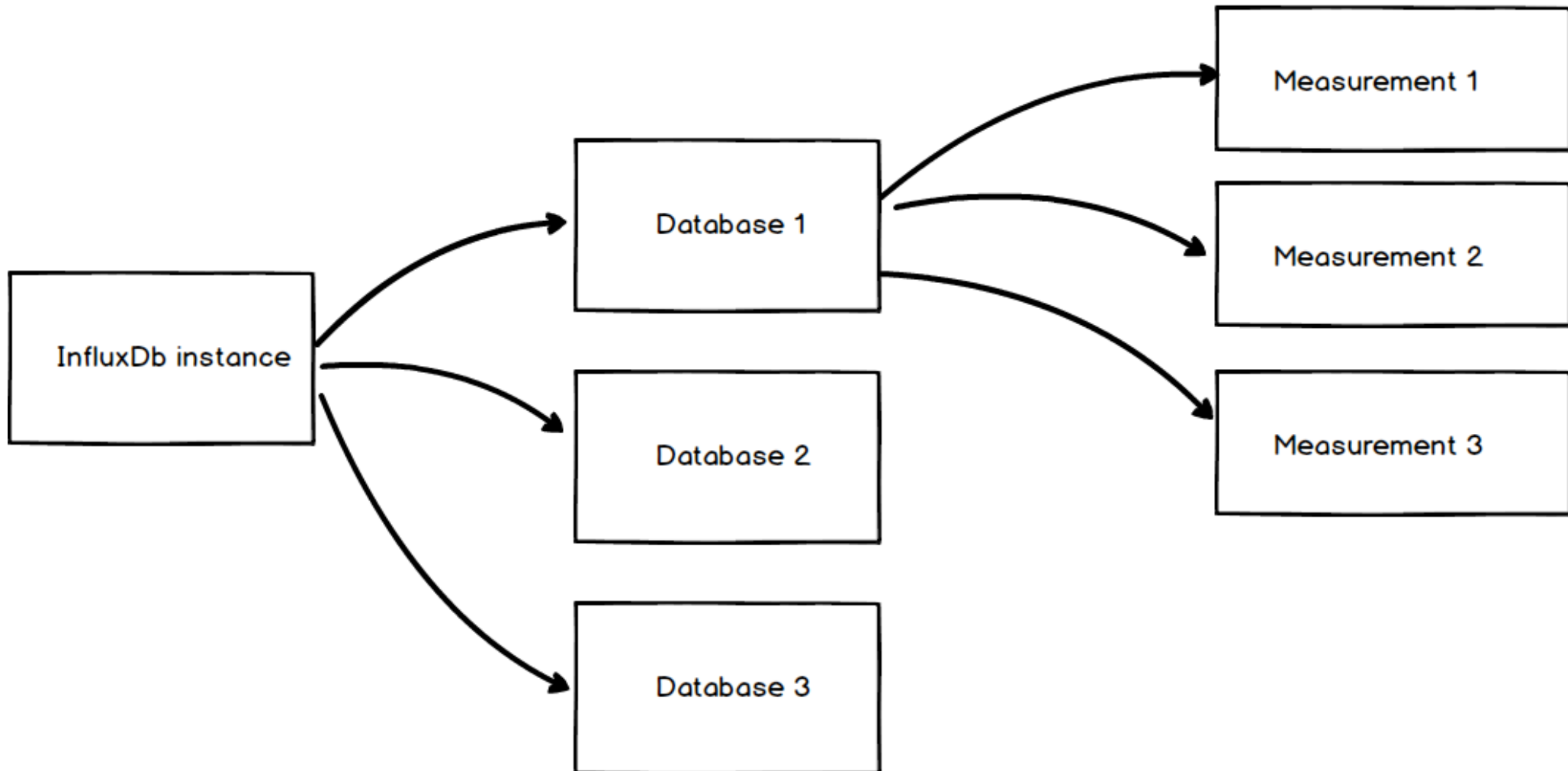
Time Series Database



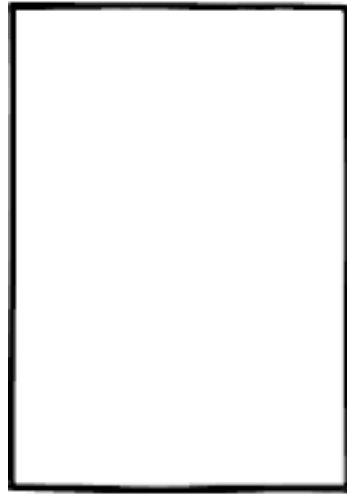
Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah MacLachlan Better Half	41	Potata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

[illegible]

Measurement = Table

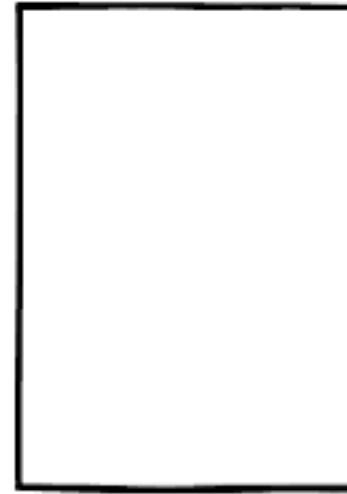


1.8



InfluxQL

2.x



Flux

mesaurement (tabela)



```
INSERT wheather,city="Warszawa",region="Mazowieckie" temp=25,humanidity=89 [time]
```

tags (etykiety)

fields (pola)

sq indeksowane

nie sq indeksowane

A



SQL Server
source

B

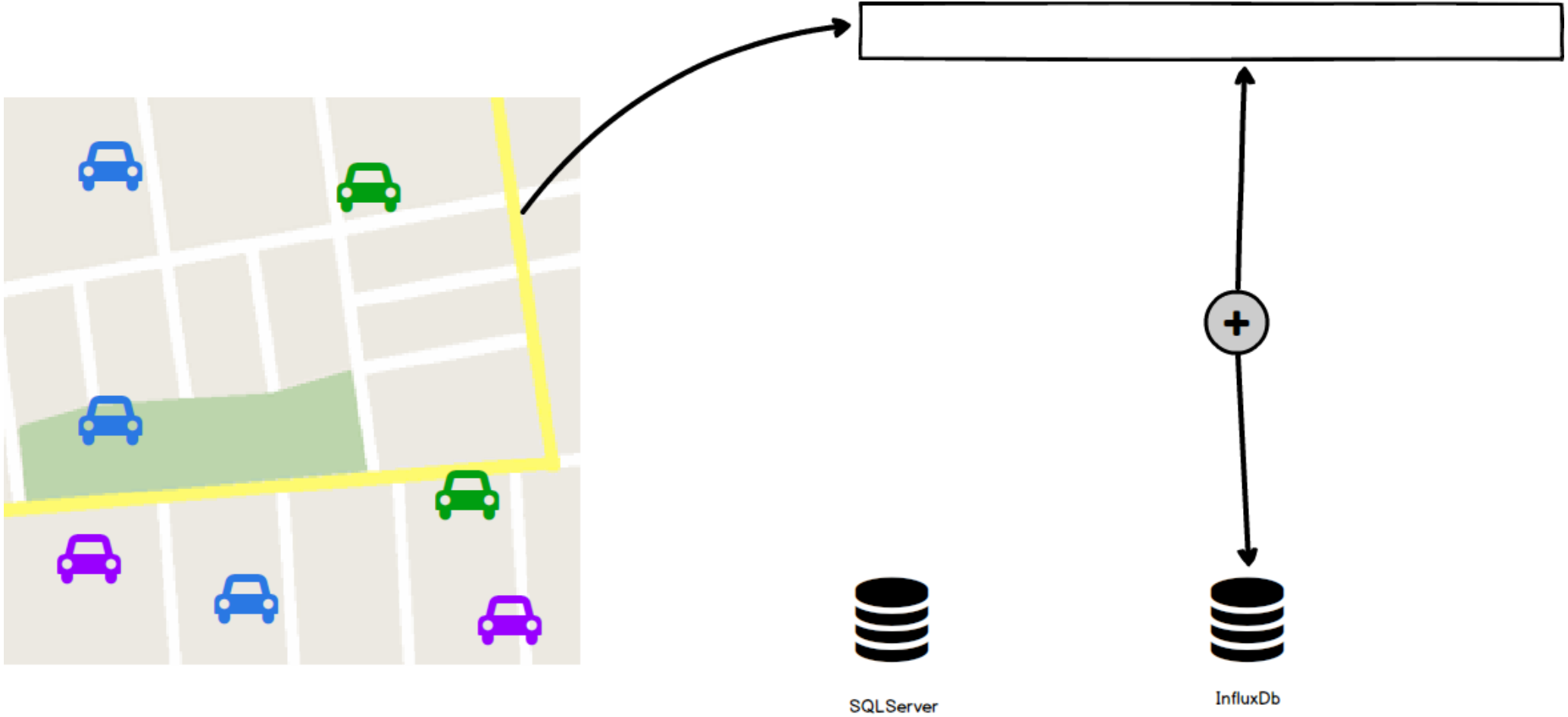


SQL Server
target



Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	39		<input type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>



Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Potata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

A



SQLServer

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input checked="" type="radio"/>
Marco Botton Tuttofare	40		<input type="checkbox"/>
Mariah Maclachlan Better Half	41	Fox	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Marco Botton Tuttofare	39		<input type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

From To

