name	X	у
Alice	30	20
Bob	5	11
Cindy	-2	50

list of list representation

```
header = ["name", "x", "y"]
rows = [
    ["Alice", 30, 20],
    ["Bob", 5, 11],
    ["Cindy", -2, 50],
]
```

name	X	у
Alice	30	20
Bob	5	11
Cindy	-2	50

list of list representation

list of dict representation

```
header = ["name", "x", "y"]
rows = [
    ["Alice", 30, 20],
    ["Bob", 5, 11],
    ["Cindy", -2, 50],
]
```

```
{"name":"Alice", "x":30, "y":20"},
{"name":"Bob", "x":5, "y":11"},
{"name":"Cindy", "x":-2, "y":50"},
]
```

name	X	у
Alice	30	20
Bob	5	11
Cindy	-2	50

list of list representation

list of dict representation

```
header = ["name", "x", "y"]

rows = [
    ["Alice", 30, 20],
    ["Bob", 5, 11],
    ["Cindy", -2, 50],
]
["ame ("name ("nam
```

```
{"name":"Alice", "x":30, "y":20"},
{"name":"Bob", "x":5, "y":11"},
{"name":"Cindy", "x":-2, "y":50"},
]
```

name	X	у
Alice	30	20
Bob	5	11
Cindy	-2	50

list of list representation

list of dict representation

```
header = ["name", "x", "y"]
rows = [
    ["Alice", 30, 20],
    ["Bob", 5, 11],
    ["Cindy", -2, 50],
]
```

```
{"name":"Alice", "x":30, "y":20"},
{"name":"Bob", "x":5, "y":11"},
{"name":"Cindy", "x":-2, "y":50"},
]
```

rows[2][header.index("y")]

name	X	у
Alice	30	20
Bob	5	11
Cindy	-2	50

list of list representation

list of dict representation

```
header = ["name", "x", "y"]
rows = [
    ["Alice", 30, 20],
    ["Bob", 5, 11],
    ["Cindy", -2, 50],
]
```

```
{"name":"Alice", "x":30, "y":20"},
{"name":"Bob", "x":5, "y":11"},
{"name":"Cindy", "x":-2, "y":50"},
]
```

rows[2][header.index("y")]

rows[2]["y"]

Demo: Table Transform

Goal: create function that transforms list of lists table to a list of dicts table

Input:

List of lists (from a CSV)

Output:

List of dicts

Example:

```
>>> header = ["x","y"]
>>> rows = [[1,2], [3,4]]
>>> transform(header, rows)
[{"x":1, "y":2}, {"x":3, "y":4}]
```