Catsplit (data format) and save cost

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Compare in the real world (1)

```
(
    ("oh my error", "http://foo.local", 26, 1, 1),
    ("oh my error", "http://bar.local", 26, 1, 1)
)<=(
    ""("Message", "URL", "Line", "Column", "Stack")
)
```

Catsplit (v1.1)

```
[
    {
        "Message": "oh my error",
        "URL": "http://foo.local",
        "Line": 26,
        "Column": 1,
        "Stack":1
    },
    {
        "Message": "oh my error",
        "URL": "http://bar.local",
        "Line": 26,
        "Column": 1,
        "Stack":1
    }
]
```

JSON

Compare in the real world (2)

```
(
    (
        (
            "John",
            (20, 22)
        ),
        (
            "Jane",
            (30, 31)
        )
    ),
    "Catsplit Team",
    (1, 2, 3, 4, 5)
)<=(
    "Person"(
        "Name",
        "Age"("Age1", "Age2")
    ),
    "Organization",
    "Id"()
)
```

Catsplit (v1.1)

```
{
    "Person": [
        {
            "Name": "John",
            "Age": {
                "Age1": 20,
                "Age2": 22
            }
        },
        {
            "Name": "Jane",
            "Age": {
                "Age1": 30,
                "Age2": 31
            }
        }
    ],
    "Organization": "Catsplit Team",
    "Id": [1, 2, 3, 4, 5]
}
```

JSON

Compare in the real world (3-1)

(3-1) In the one line:

- Catsplit (min-length:114):

((('John',(20,22)),('Jane',(30,31)))),'Catsplit Team',(1,2,3,4,5))<=(Person(Name,Age(Age1,Age2)),Organization,Id())

- JSON (min-length: 139):

{"Person":[{"Name":"John",{"Age1":20,"Age2":22}},{"Name":"Jane","Age":{"Age1":30,"Age2":31}],"Organization":"Catsplit Team",Id:[1,2,3,4,5]}

Save cost
(reduce 17%)

Compare in the real world (3-2)

(3-2) In the one line:

  - Catsplit (min-length: 120):

(('oh my error','http://foo.local',26,1,1),('oh my error','http://bar.local',26,1,1))<=((Message,URL,Line,Column,Stack))

  - JSON (min-length: 165):

[{"Message":"oh my error","URL":"http://foo.local","Line":26,"Column":1,"Stack":1},{"Message":"oh my error","URL":"http://bar.local","Line":26,"Column":1,"Stack":1}]

Save cost
(reduce 27%)

We're open source

https://github.com/gnh1201/catsplit-format