Rego Style Guide

Rules
Complete

```rego
import future.keywords

default allow := false
allow if {
  input.user.role == "admin"
  input.user.internal
}

default request_quota := 100
request_quota := 1000 if input.user.internal
request_quota := 50 if input.user.plan.trial
```

Partial

```rego
import future.keywords

paths contains path if {
  path := "/handbook/*"
}

paths contains path if {
  some team in input.user.teams
  path := sprintf("/teams/%v/*", [team])
}
```

(Output)

```json
{
  "paths": [
    "/handbook/*",
    "/teams/owl/*", "/teams/tiger/*"
  ]
}
```

Iteration
Some

```rego
import future.keywords

all_regions := {
  "emea": {"west", "east"},
  "na": {"west", "east", "central"},
  "latam": {"west", "east"},
  "apac": {"north", "south"},
}

allowed_regions contains region_id if {
  some area, regions in all_regions

  some region in regions
  region_id := sprintf("%s_%s", [area, region])
}
```

(Output)

```json
{
  "allowed_regions": [
    "apac_north", "apac_south", "emea_east", ...
  ]
}
```

Every

```rego
import future.keywords

allow if {
  required_prefix := sprintf("/docs/%s/", [input.userID])
  every path in input.paths {
    startswith(path, required_prefix)
  }
}
```

Comprehensions

(Shared Code)

```rego
letters := ["q", "w", "i", "e", "r", "t", "y", "u", "i",
    "e", "y"]
vowels := ["a", "e", "i", "o", "u", "y"]
```

Arrays

```rego
array_match_vowels := [match |
  some letter in letters
  some vowel in vowels
  letter == vowel
  match := letter
]
```

(Output)

```json
{
  "array_match_vowels": [
    "i", "e", "y", "u", "i", "e", "y"
  ]
}
```

Sets

```rego
set_match_vowels := {match |
  some letter in letters
  some vowel in vowels
  letter == vowel
  match := letter
}
```

(Output)

```json
{
  "set_match_vowels": [
    "e", "i", "u", "y"
  ]
}
```

Objects

```rego
object_check_vowels := {letter: is_vowel |
  some letter in letters
  is_vowel := letter in vowels
}
```

(Output)

```json
{
  "object_check_vowels": {
    "e": true, "i": true, "q": false, "r": false, "t":
    false, "u": true, "w": false, "y": true
  }
}
```