Enum 表示 TableView 的数据源

```
//
//  SettingTableViewController.swift

import UIKit

protocol SettingViewControllerDelegate: class {
    func controllerDidChangeDateMode(controller: SettingTableViewController)
    func controllerDidChangeTemperatureMode(controller: SettingTableViewController)
}

class SettingTableViewController: UITableViewController {

    weak var changeDelegate: SettingViewControllerDelegate?
    override func viewDidLoad() {
        super.viewDidLoad()
        tableView.rowHeight = 44
    }
}

extension SettingTableViewController {
    private enum Section: Int {
        case date
        case temperature

        var numberOfRows: Int {
            return 2
        }

        static var count: Int {
            return Section.temperature.rawValue + 1
        }
    }
```

```swift
    }

    override func numberOfSections(in tableView: UITableView) -> Int {
        return Section.count
    }

    override func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) ->
nt {
        guard let section = Section(rawValue: section) else {
            fatalError("未知section索引")
        }
        return section.numberOfRows
    }

    override func tableView(_ tableView: UITableView, titleForHeaderInSection section: Int) -> S
ring? {
        if section == 0 {
            return "Date format"
        }
        return "Temperature unit"
    }

    override func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> U
TableViewCell {
        guard let cell = tableView.dequeueReusableCell(withIdentifier: SettingTableViewCell.reus
Identifier, for: indexPath) as? SettingTableViewCell else {
            fatalError("未知的tableViewCell")
        }
        guard let section = Section(rawValue: indexPath.section) else {
            fatalError("未知的section")
        }
        switch section {
        case .date:
            cell.label.text = (indexPath.row == 0) ? "Fri, 01 December" : "F, 12/01"
            let timeMode = UserDefaults.dateMode()
            if indexPath.row == timeMode.rawValue {
                cell.accessoryType = .checkmark
            } else {
                cell.accessoryType = .none
            }
        case .temperature:
            cell.label.text = (indexPath.row == 0) ? "Celcius" : "Fahrenheit"
            let temperatureMode = UserDefaults.temperatureMode()
            if indexPath.row == temperatureMode.rawValue {
                cell.accessoryType = .checkmark
            } else {
                cell.accessoryType = .none
            }
        }
        return cell
    }

    override func tableView(_ tableView: UITableView, didSelectRowAt indexPath: IndexPath) {
        tableView.deselectRow(at: indexPath, animated: true)
```

```
guard let section = Section(rawValue: indexPath.section) else {
    fatalError("未知的section索引")
}
switch section {
    case .date:
        let dateMode = UserDefaults.dateMode()
        guard indexPath.row != dateMode.rawValue else { return }
        if let newMode = DateMode(rawValue: indexPath.row) {
            UserDefaults.setDateMode(to: newMode)
        }
        changeDelegate?.controllerDidChangeDateMode(controller: self)
    case .temperature:
        let temperatureMode = UserDefaults.temperatureMode()
        guard indexPath.row != temperatureMode.rawValue else { return }
        if let newMode = TemperatureMode(rawValue: indexPath.row) {
            UserDefaults.setTemperatureMode(to: newMode)
        }
        changeDelegate?.controllerDidChangeTemperatureMode(controller: self)
}
let sections = IndexSet(integer: indexPath.section)
tableView.reloadSections(sections, with: .none)
}
}
```

提供一种思路

代码来自泊学

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