```swift
import Foundation

/**
 * Description of a feature
 */
@available(macOS 10.13, *)
open class MLFeatureDescription :
NSObject, NSCopying, NSSecureCoding {

    /// Name of feature
    open var name: String { get }

    /// Type of data
    open var type: MLFeatureType { get }

    /// Whether this feature can take an
undefined value or not
    open var isOptional: Bool { get }

    /// Check if MLFeatureValue is valid
based on this description
    open func isAllowedValue(_ value:
MLFeatureValue) -> Bool
}

/**
 * Feature value constraints for specific
types
 */
@available(macOS 10.13, *)
extension MLFeatureDescription {

    /// Constraint when type ==
```

```
MLFeatureTypeMultiArray, nil otherwise
    open var multiArrayConstraint:
MLMultiArrayConstraint? { get }

    /// Constraint when type ==
MLFeatureTypeImage, nil otherwise
    open var imageConstraint:
MLImageConstraint? { get }

    /// Constraint when type ==
MLFeatureTypeDictionary, nil otherwise
    open var dictionaryConstraint:
MLDictionaryConstraint? { get }

    /// Constraint when type ==
MLFeatureTypeSequence, nil otherwise
    @available(macOS 10.14, *)
    open var sequenceConstraint:
MLSequenceConstraint? { get }

    /// The state feature value
constraint.
    ///
    /// The property has a value when
`.type == MLFeatureTypeState`.
    @available(macOS 15.0, *)
    open var stateConstraint:
MLStateConstraint? { get }
}
```