**ustrpos() — Find substring in Unicode string**

### Description

`ustrpos(s, sf [ , n ])` returns the character position in `s` at which `sf` is first found; otherwise, it returns 0. If `n` is specified and is larger than zero, the search starts at the `n`th Unicode character of `s`.

`ustrrpos(s, sf [ , n ])` returns the position in `s` at which `sf` is last found; otherwise, it returns 0. If `n` is specified and is larger than zero, the part between the first Unicode character and the `n`th Unicode character of `s` is searched.

When `s` is not a scalar, these functions return element-by-element results.

### Syntax

```plaintext
real matrix ustrpos(string matrix s, string scalar sf [ , real scalar n ])
real matrix ustrrpos(string matrix s, string scalar sf [ , real scalar n ])
```

### Remarks and examples

An invalid UTF-8 sequence in `s` or `sf` is replaced with a Unicode replacement character `\ufffd` before the search is performed.

Use `strpos()` or `strrpos()` to find the byte-based location of a substring in a string.

### Conformability

**ustrpos(s, sf [ , n ]), ustrrpos(s, sf [ , n ]):**

- `s`: `r x c`
- `sf`: `1 x 1`
- `n`: `1 x 1`
- `result`: `r x c`

### Diagnostics

None.

### Also see

- [M-5] `strpos()` — Find substring in string
- [M-4] `String` — String manipulation functions
- [U] 12.4.2 Handling Unicode strings