

```
def __add__(self, other: "PageRange") -> "PageRange":
    if not isinstance(other, PageRange):
        raise TypeError(f"Can't add PageRange and {type(other)}")
    if self._slice.step is not None or other._slice.step is not None:
        raise ValueError("Can't add PageRange with stride")
    a = self._slice.start, self._slice.stop
    b = other._slice.start, other._slice.stop

    if a[0] > b[0]:
        a, b = b, a

    # Now a[0] is the smallest
    if b[0] > a[1]:
        # There is a gap between a and b.
        raise ValueError("Can't add PageRanges with gap")
    return PageRange(slice(a[0], max(a[1], b[1])))
```

```
PAGE_RANGE_ALL = PageRange(":") # The range of all pages.
```