

1. We use a whitespace-separated parenthesized list to denote a list.

| CALL                             | RETURN                 |
|----------------------------------|------------------------|
| merge((1 2 3 4 5), (2 4 6 8 10)) | (1 2 2 3 4 4 5 6 8 10) |
| merge((2 3 4 5), (2 4 6 8 10))   | (2 2 3 4 4 5 6 8 10)   |
| merge((3 4 5), (2 4 6 8 10))     | (2 3 4 4 5 6 8 10)     |
| merge((3 4 5), (4 6 8 10))       | (3 4 4 5 6 8 10)       |
| merge((4 5), (4 6 8 10))         | (4 4 5 6 8 10)         |
| merge((5), (4 6 8 10))           | (4 5 6 8 10)           |
| merge((5), (6 8 10))             | (5 6 8 10)             |
| merge(NULL, (6 8 10))            | (6 8 10)               |