std::list

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1. std::list – creation

- 2. Iterators const, non-const <u>bidirectional</u>-access and reverse iterator
- 3. Members front, back, begin, end, rbegin, rend, c(r)begin, c(r)end,
- 4. Size
 - · Size number of elements currently used
 - Empty?

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MAX_SIZE - ???
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- List size related
 - resize(#, value) if #>size insert at end with value value or val init.. if #<size destroy elements at end? making size = n
 - erase(it) or erase(itr1, itr2) and reduce size
 - clear() make size 0
 - Pop front, pop back
 - assign(#, value) or assign(itr1, itr2) where itr1, itr2 is from different container
 - insert(itr, #, value) or insert(itr, itr1, itr2), push_front, push_back,
 - emplace(itr, constructor args), emplace_front, emplace_back,
- 6. Operator =
- 7. Special merge

```
first.merge(second);
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8. Special – remove any value from list

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remove (const value type& val)
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- 9. Special sort(<), sort(binary-predicate or bool func)
- 10. Special splice
 - The first version (1) transfers all the elements of x into the container.
 - The second version (2) transfers only the element pointed by i from x into the container.
 - The third version (3) transfers the range [first,last) from x into the container.
- 11. Special reverse
- 12. F
 - Ι
- 13. F
- 14. F
- .т.
- 15. F
- IJ. I
- 16. D
 - •

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17. F
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18. F

19. F I

20. F

21. F

22. F I

23. F

24. F

25. F

I 26. F

27. D

28. F

29. F

30. F

31. F

32. F

33. F

34. F

35. F

36. F

37. F

38. D

39. F

40. F

41. F I

42. F

43. F

44. F

45. F I 46. F I 47. F