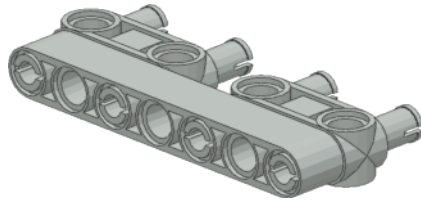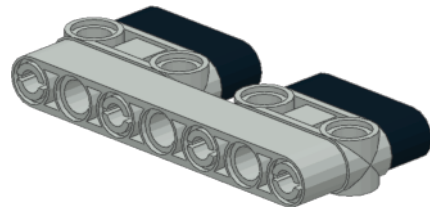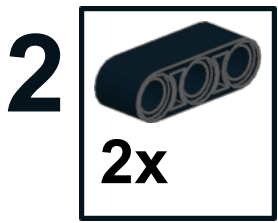# BIG BIRD

by Stu Nicholls

http://www.stunicholls.com
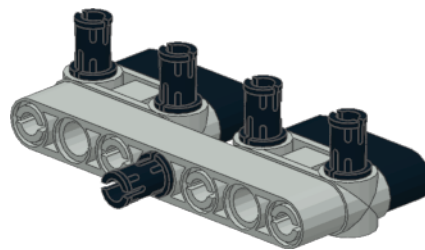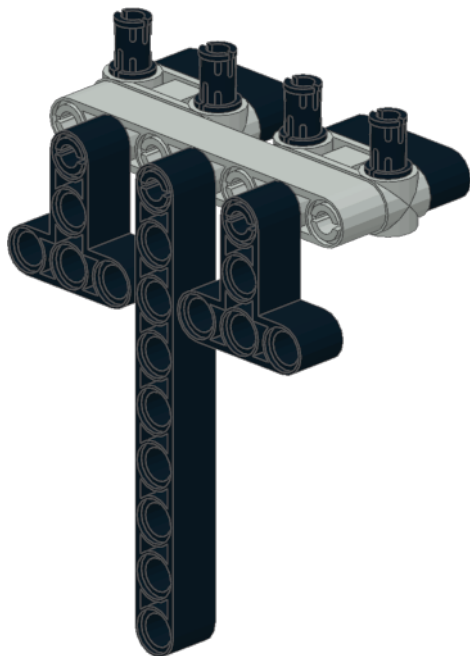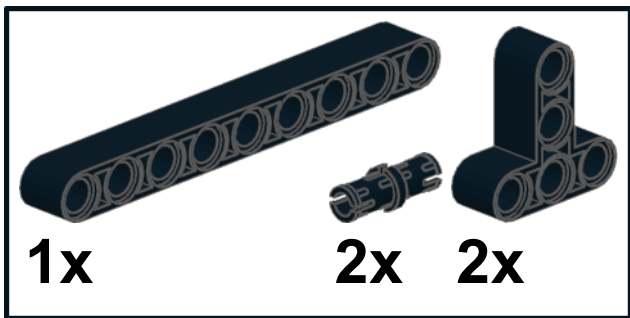
Compact autonomous biped walker

1
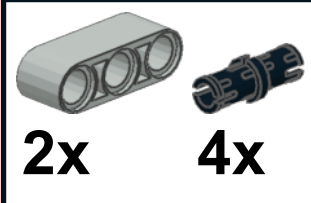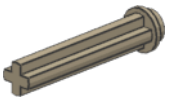
1x   **2x**

2

2x

2

3

5x

1x   **2x**   **2x**

5

4x

1x

6

1x

7

1x

1x   **1x**

9

1x 2x

10

1x

11

1x

12

1x 1x
1x 1x 1x 1x

13

1x

14

5x

1x

1x **2x**

15

1x   **2x**

16

1x **3x**

1x **2x**

18

1x   1x

19

2x **1x** **2x**

20

1x **2x**

21

2x

1x

1x

1x

2x

1x

1

1x 2x

2

1x

3

2x
1x 2x 2x 1x

23

1

6x

1x

2

2x

28

3

2x   4x

4

4x

1x

2x

5

1x   3x

6

2x

1x

8

1x   1x 1x

9

2x   4x

10

1x 2x

11

1x

1x   2x

x2

1

1x 1x 2x

1

1x

1x

1x   1x

2

3x

3

1x

1x   1x

4

1x

1x

5

1x

6

4x 2x

7

2x

4x   **4x**

9

4x   4x

4x

11

4x

4x

3

1x

4

2x

6

1x   1x

7

1x

8

1x   1x

9

1x   1x

10

1x   1x 1x

11

1x

4x

4x

4x

27

4x

1

1x   1x   1x

2

1x 1x

3

1x

1x

4

1x **1x** **2x** **2x**

5

1x

6

1x

1x

7

1x

2x

2x

1x

8

1x   2x

10

1x

1x

4x

1x

29

1x

6x

31

2x

32

4x

33

1x 1x 4x

2x

2x

35

2x

36

4x

39

1x **1x**

1

1x

1x

4x

1

1x   2x

2

1x   2x

3

1x
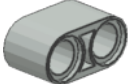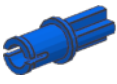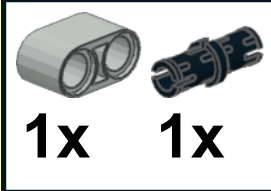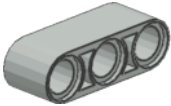
3x cable are shortest

1. **Sensor to port 2**
2. **Medium motor at front to port B**
3. **Medium motor at rear to port D**

3x

4x

1x

1x

1x
2x

3x

2x

2x

2x

2x

1x
1x

1x

1x
1x

2x
2x

2x

4x

3x

1x

4x

1x

7x

1x

13x

2x

3x   1x

4x

4x

3x

2x

4x

4x

10x

2x

1x

7x

1x

2x

2x

112x

10x

3x

2x

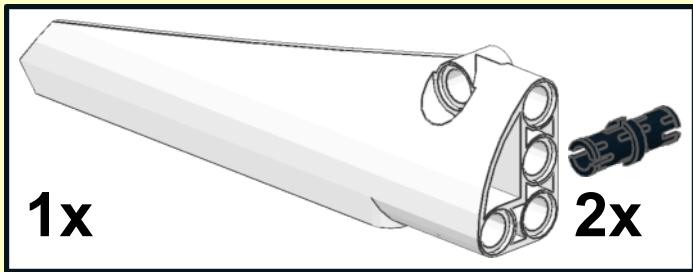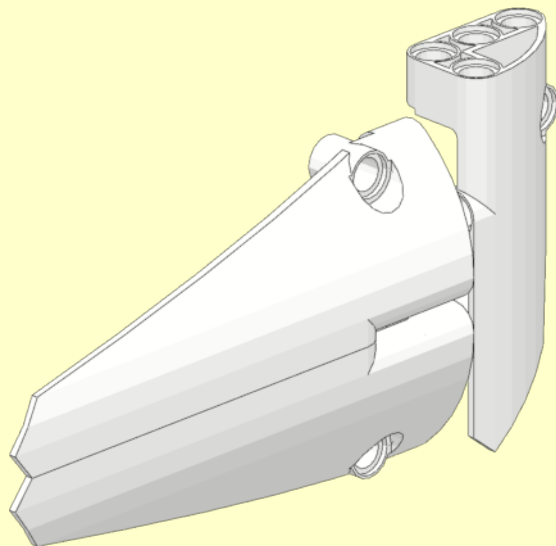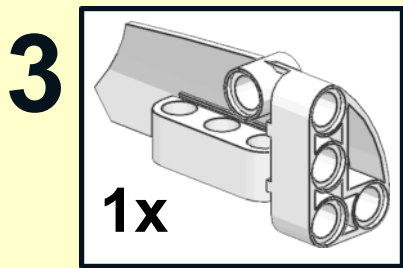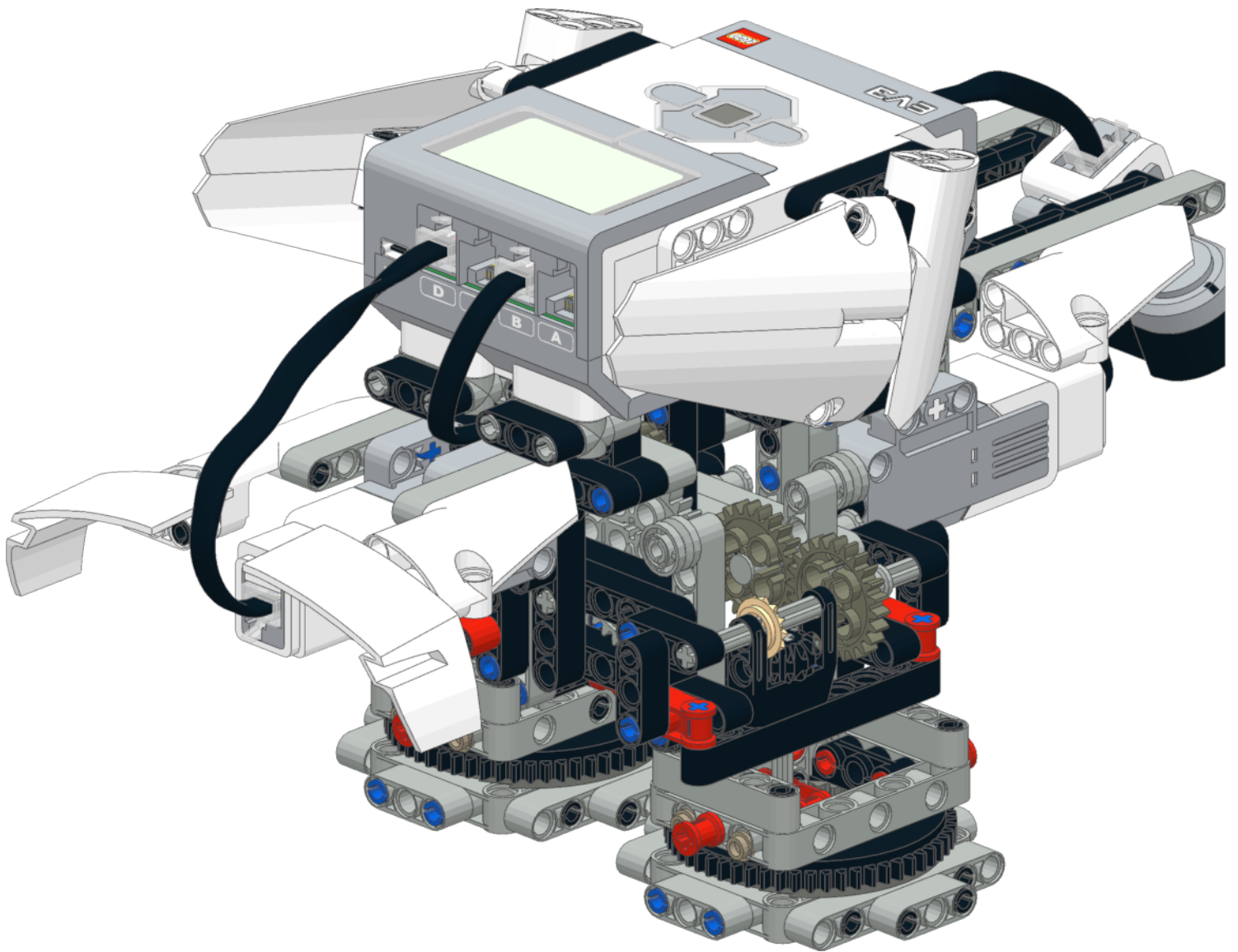1x

7x

3x

1x

20x

40x

4x

4x

8x

2x

7x

2x

2x

6x

11x

2x