Time (s)	Velocity
0	-0.5
0.05	-0.49375
0.1	-0.4875
0.15	-0.48125
0.2	-0.475
0.25	-0.46875
0.3	-0.4625
0.35	-0.45625
0.4	-0.45
0.45	-0.44375
0.5	-0.4375
0.55	-0.43125
0.6	-0.425
0.65	-0.41875
0.7	-0.4125
0.75	-0.40625
0.8	-0.4
0.85	-0.39375
0.9	-0.3875
0.95	-0.38125
1	-0.375
1.05	-0.36875
1.1	-0.3625
1.15	-0.35625
1.2	-0.35
1.25	-0.34375
1.3	-0.3375
1.35	-0.33125
1.4	-0.325
1.45	-0.31875
1.5	-0.3125
1.55	-0.30625
1.6	-0.3
1.65	-0.29375
1.7	-0.2875
1.75	-0.28125
1.8	-0.275
1.85	-0.26875
1.9	-0.2625
1.95	-0.25625
2	-0.25
2.05	-0.24375
2.1	-0.2375
2.15	-0.23125
2.2	-0.225
2.25	-0.21875
2.3	-0.2125
2.35	-0.20625
2.4	-0.2
2.45	-0.19375
2.5	-0.1875
2.55	-0.18125
2.6	-0.175
2.65	-0.16875
2.7	-0.1625
2.75	-0.15625
2.8	-0.15
2.85	-0.14375
2.9	-0.1375
2.95	-0.13125
3	-0.125
3.05	-0.11875
3.1	-0.1125
3.15	-0.10625
3.2	-0.1
3.25	-0.09375
3.3	-0.0875
3.35	-0.08125
3.4	-0.075
3.45	-0.06875
3.5	-0.0625
3.55	-0.05625
3.6	-0.05
3.65	-0.04375
3.7	-0.0375
3.75	-0.03125
3.8	-0.025
3.85	-0.01875
3.9	-0.0125
3.95	-0.00625
4	0
4.05	-0.0125
4.1	-0.025
4.15	-0.0375
4.2	-0.05
4.25	-0.0625
4.3	-0.075
4.35	-0.0875
4.4	-0.1
4.45	-0.1125
4.5	-0.125
4.55	-0.1375
4.6	-0.15
4.65	-0.1625
4.7	-0.175
4.75	-0.1875
4.8	-0.2
4.85	-0.2125
4.9	-0.225
4.95	-0.2375
5	-0.25
5.05	-0.2625
5.1	-0.275
5.15	-0.2875
5.2	-0.3
5.25	-0.3125
5.3	-0.325
5.35	-0.3375
5.4	-0.35
5.45	-0.3625
5.5	-0.375
5.55	-0.3875
5.6	-0.4
5.65	-0.4125
5.7	-0.425
5.75	-0.4375
5.8	-0.45
5.85	-0.4625
5.9	-0.475
5.95	-0.4875
6	-0.5
6.05	-0.4875
6.1	-0.475
6.15	-0.4625
6.2	-0.45
6.25	-0.4375
6.3	-0.425
6.35	-0.4125
6.4	-0.4
6.45	-0.3875
6.5	-0.375
6.55	-0.3625
6.6	-0.35
6.65	-0.3375
6.7	-0.325
6.75	-0.3125
6.8	-0.3
6.85	-0.2875
6.9	-0.275
6.95	-0.2625
7	-0.25
7.05	-0.2375
7.1	-0.225
7.15	-0.2125
7.2	-0.2
7.25	-0.1875
7.3	-0.175
7.35	-0.1625
7.4	-0.15
7.45	-0.1375
7.5	-0.125
7.55	-0.1125
7.6	-0.1
7.65	-0.0875
7.7	-0.075
7.75	-0.0625
7.8	-0.05
7.85	-0.0375
7.9	-0.025
7.95	-0.0125
8	0
8.05	0.0125
8.1	0.025
8.15	0.0375
8.2	0.05
8.25	0.0625
8.3	0.075
8.35	0.0875
8.4	0.1
8.45	0.1125
8.5	0.125
8.55	0.1375

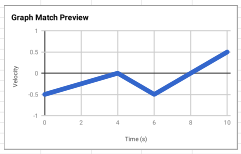
Vel/Sec (hz)
20

Times	Velocities	Position (assuming xi = 0) [1]
0	-0.5	0
4	0	-1
6	-0.5	-2.5
10	0.5	-2.5

Edit the values above to change the graph match challenge. Then copy and paste VALUES ONLY to page 2 of "Velocity Match Template.cmbl" to create Logger Pro graph match.

Velocity Match Walking Motion Template.cmbl

Velocity Match LEGO NXT Template.cmbl



Start Time (s)	End Time (s)	In Vel (m/s)	Final Vel (m/s)	Acc (m/s/s)	Acc (m/s/s)
0	4	-0.5	0	-1	0
0	4	-0.5	0	0.125

| | | |

[1] DO NOT ALTER!