Exercise 01.

State	Expected utility for taking each action					Best Action	Expected Utility for Best Action	Update Utility
	North	East	South	West	Nothing			
1	0	0	0	0	0	East	0	-0.1
2	0	0	0	0	0	East	0	-0.1
3	0	0	0	0	0	East	0	1
4	0	0	0	0	0	East	0	-0.1
5	0	0	0	0	0	East	0	-0.1
6	0	0	0	0	0	East	0	-0.05
1	-0.1	-0.1	-0.1	-0.1	-0.1	Nothing	-0.1	-0.1999
2	-0.045	0.89	-0.045	-0.1	-0.1	East	0.89	0.78911
3	1	1	1	1	1	East	1	1.999
4	-0.1	-0.1	-0.1	-0.1	-0.1	Nothing	-0.1	-0.1999
5	-0.0975	-0.055	-0.0975	-0.1	-0.1	East	-0.055	-0.154945
6	0.8925	0.0025	-0.0525	-0.0425	-0.05	North	0.8925	0.841608
1	-0.15045	0.690209	-0.15045	-0.1999	-0.1999	East	0.690209	0.589519
2	0.800154	1.830808	-0.0495	-0.1482	0.78911	East	1.830808	1.728977
3	1.999	1.999	1.999	1.999	1.999	East	1.999	2.997001
4	-0.19765	-0.15944	-0.19765	-0.1999	-0.1999	East	-0.15944	-0.259281
5	0.742284	0.789155	-0.10737	-0.1482	-0.15495	East	0.789155	0.688366
6	1.833433	0.899477	0.79178	0.00258	0.841608	North	1.833433	1.7816

Exercise 02.

North

Exercise 03.

i. North
ii. 3
iii. 4604