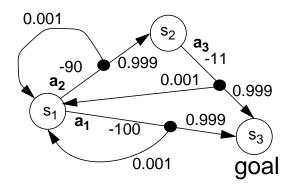
Sample solution for MDP problem:



With gamma = 1 (no discounting), value iteration gives something like this: i 0 2 4 1 3 5 etc. -100.09 * 0 -100.1 -100.1001001 * -100.1001001 * state 1 -100 a1 a2 -90 -101.079 -101.17901 -101.1891 -101.1891001 state 2 a3 0 -11 -11.09 -11.1001 -11.1001001 -11.1001001 state 3 = goal0 0 0 0 0 0

So, in state 1, action 1 is preferred over action 2

But with gamma = 0.9, value iteration gives something like this:								
i		0	1	2	3	4	5	etc.
state 1	a1 a2	0	-100 -90 *	-100.081 -99.9711*	-100.089974 -100.0529011*	-100.0900476 -100.0610766 *	-100.090055 -100.0611468 *	
state 2	a3	0	-11	-11.081	-11.08997399	-11.09008098	-11.09005497	
state 3 =	goal	0	0	0	0	0	0	

So, in state 1, action 2 is preferred over action 1