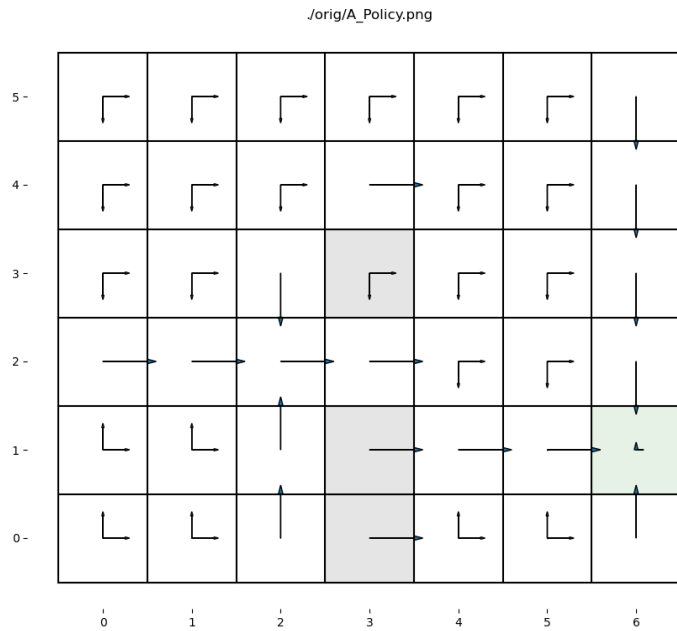


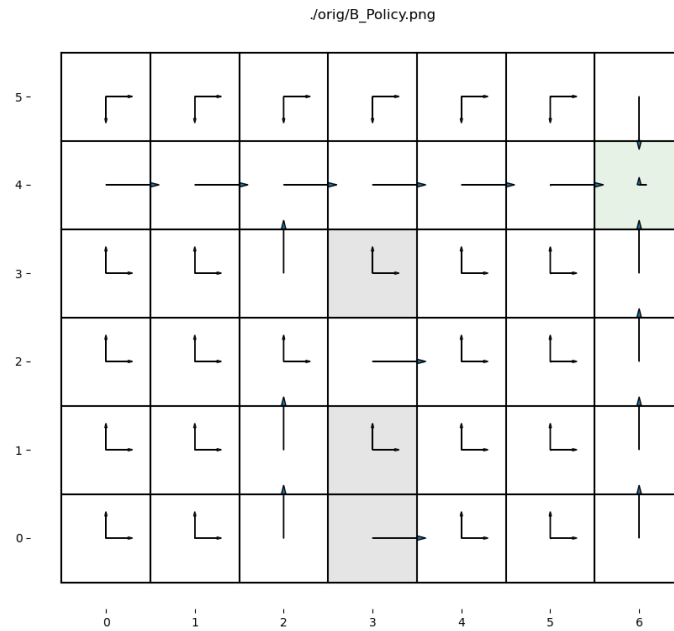
# Stats 232C Project 4 Graphs

Ashish Kumar Singh (UID:105479019)

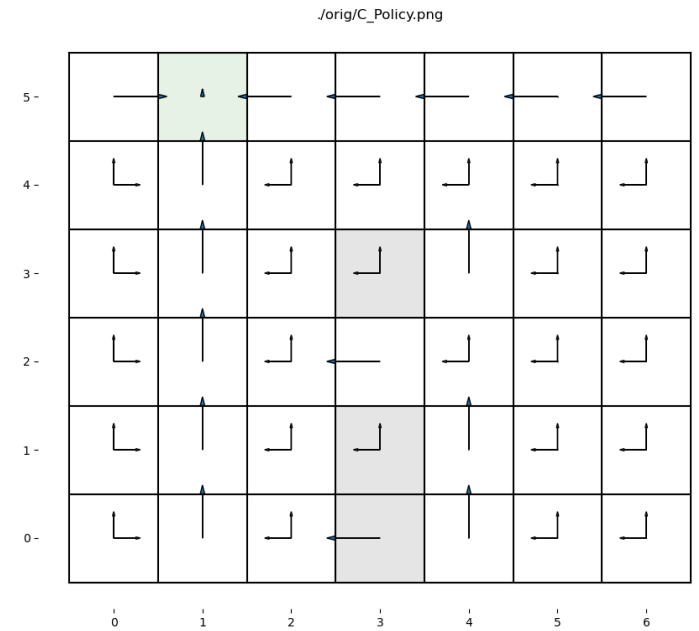
## Original Policy Visualization



Reward A



Reward B

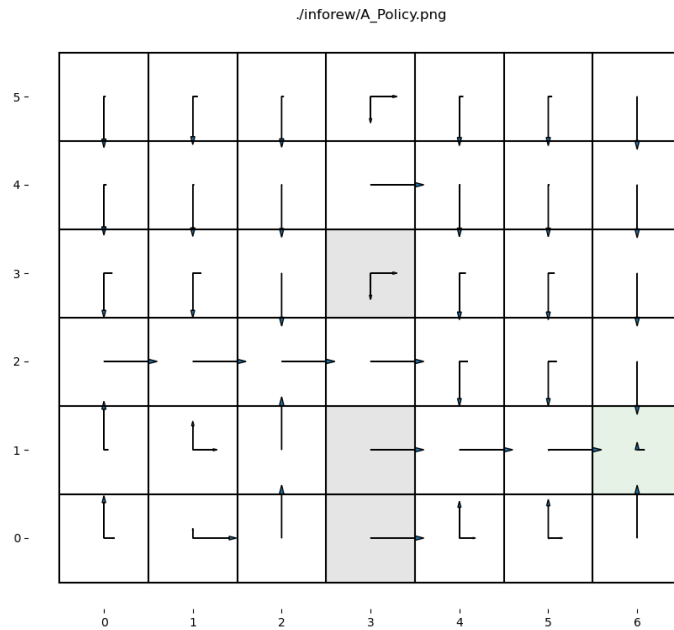


Reward C

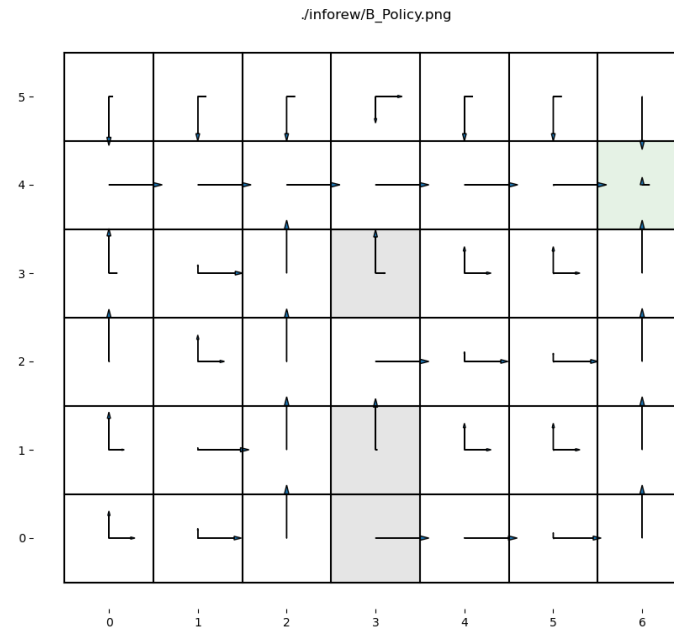
# Stats 232C Project 4 Graphs

Ashish Kumar Singh (UID:105479019)

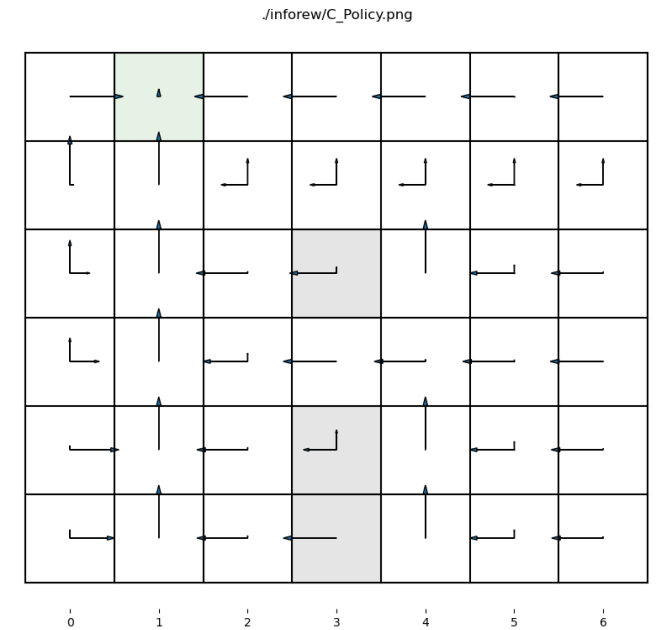
## New Policy with InfoReward Visualization



inforeward



inforeward



inforeward

## Stats 232C Project 4 Graphs

Ashish Kumar Singh (UID:105479019)

### **Changes in new policy wrt original**

- **Goal A**

We see that states nearby Goal B and Goal C shows major changes in policy. Specifically, states like (4,2),(4,3),(5,2),(5,3) could transition to both right and down in original policy. But in new signaling policy, down is highly preferred for these states as downward direction shows that we are moving towards Goal A and helps the observer to differentiate between goal pursued.

- **Goal B**

We see that states nearby Goal A and Goal C shows major changes in policy. Specifically, state (1,3) prefers to go right in new signalling policy as going up could confuse the observer with goal C. For state (5,2) new policy prefers to go right so get maximum reward as well as not confusing with goal A as for goal A policy would have preferred going down.

- **Goal C**

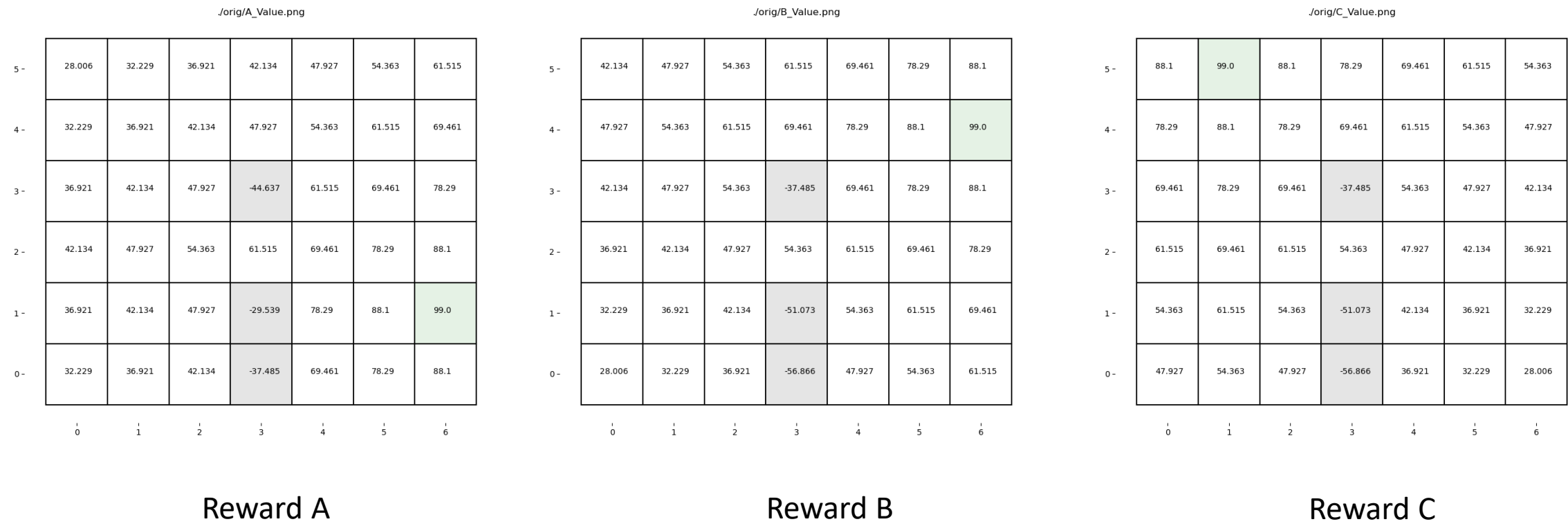
We see that states nearby Goal A and Goal B shows major changes in policy. Specifically, state (5,3) and (5,2) prefers to go left in new signalling policy as it signals that goal are not A or B.

Overall, we see that new policy reflects signaling as many states move to a direction in which it becomes very clear what the goal is.

# Stats 232C Project 4 Graphs

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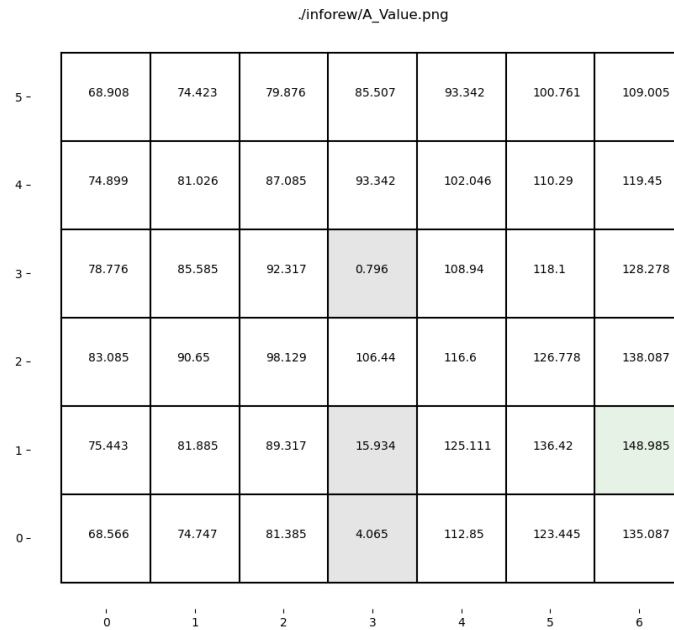
## Original Value Visualization



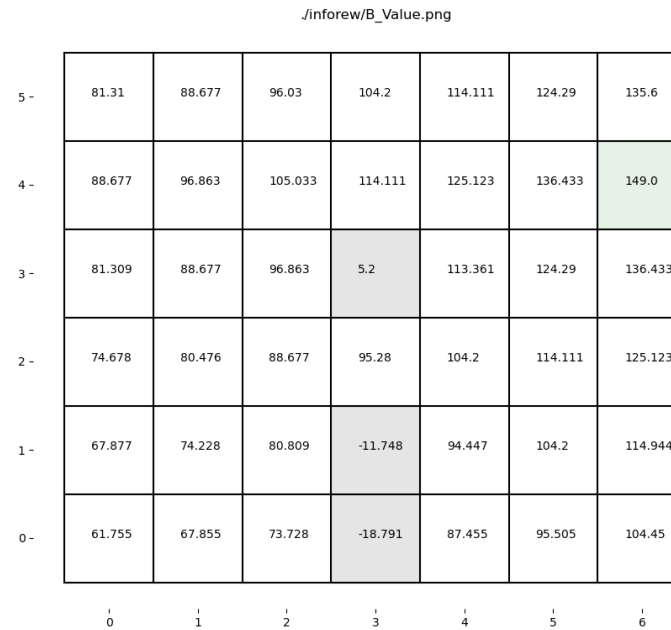
# Stats 232C Project 4 Graphs

Ashish Kumar Singh (UID:105479019)

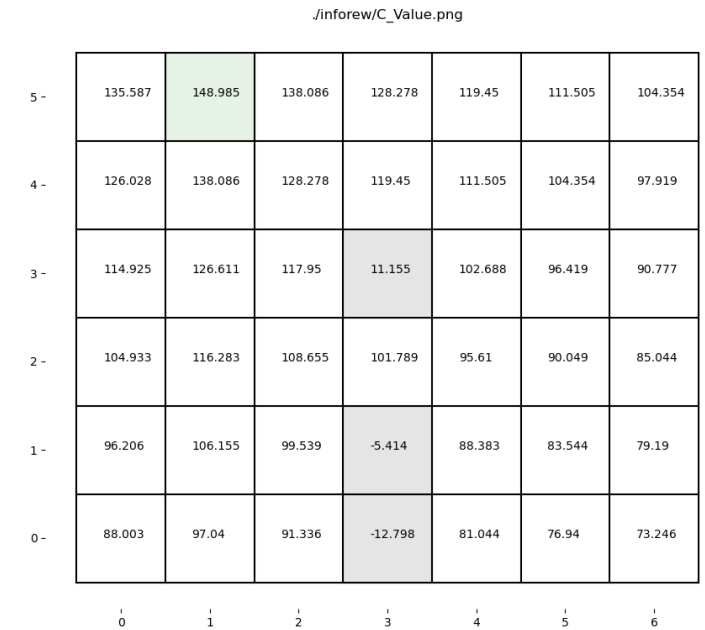
## New Value with InfoReward Visualization



Reward A +  
inforeward



Reward B +  
inforeward



Reward C +  
inforeward