Assignment 3 Q3

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1 Q3

You can find the full code Code Link

```
118    do
119    :: atomic {
120          mutex[me] == 0  && request[me]?[requester]  && len(q_len_ch[me]) == 0
121               ->
122          mutex[me] = 1;
123    |     request[me] ? requester
124
125       };
126       if
127       :: po[me] != me  -> request[po[me]] ! requester
128       :: po[me] == me && locked[me] ->
129                  waiters[me] ! requester;
130                  qlen[me] = qlen[me] + 1;
131                  assert (qlen[me] < Nprocs)
132       :: po[me] == me && !locked[me] ->
133                  q_len_ch[requester] ! 0;
134                  assert (qlen[me] == 0);
135                  po[me] = requester;
136
137       fi;
138       mutex[me] = 0
139    od
```

Figure 1: Code snippet with correction labeled

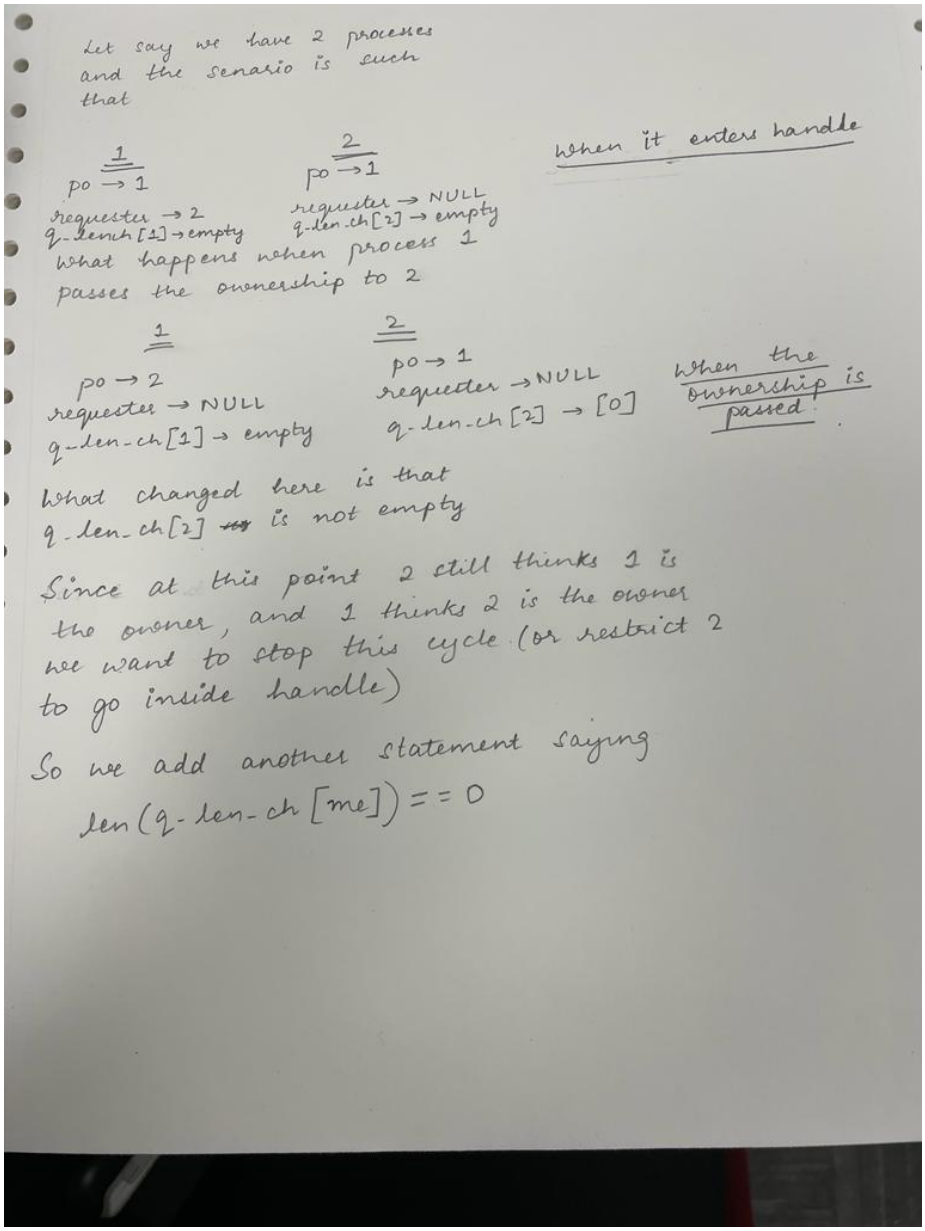

Figure 2: Explanation for the edit in the code

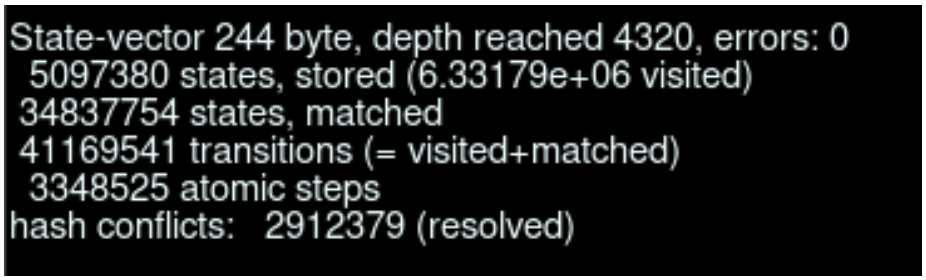

Figure 3: Output without error