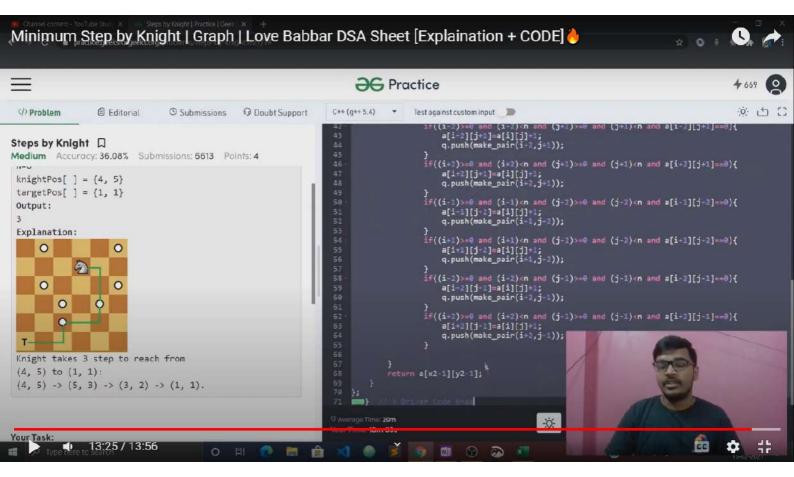
```
Minimum Step by Knight | Graph | Love Babbar DSA Sheet [Explaination + CODE]
               8 - class Solution {
                  public:
                      int minStepToReachTarget(vector<int>&KnightPos, vector<int>&TargetPos, int n){
                          // Code here
int x1 = KnightPos[0];
sition of
the.
                          int y1 = KnightPos[1];
                          int x2 = TargetPos[0];
                          int y2 = TargetPos[1];
                          int a[1001][1001];
oeen
                          if(x1==x2 \text{ and } y1==y2){}
                          for(int i=0;i<n;i++){</pre>
                              for(int j=0;j<n;j++){
    a[i][j]=0;</pre>
                          queue<pair<int,int> > q;
                          q.push(make_pair(x1-1,y1-1));
                          while(!q.empty()){
                              auto cur=q.front();
                              int j=cur.second;
                              q.pop();
                                                                                                     6
10:18 / 13:56
```

```
📴 Channel content - YouTube Stud X 😅 Steps by Knight | Practice | Geela 🗴 🕂
 ← → C  practice.geeksforgeeks.org/problems/steps-by-knight5927/1
                                                  if((i-1)>=0 and (i-1)<n and (j-2)>=0 and (j-2)<n and a[i-1][j-2]==0){
    a[i-1][j-2]=a[i][j]+1;
    q.push(make_pair(i-1,j-2));</pre>
n the
                                                  if((i+1)>=0 \text{ and } (i+1)< n \text{ and } (j-2)>=0 \text{ and } (j-2)< n \text{ and } a[i+1][j-2]==0){a[i+1][j-2]=a[i][j]+1;}
been
                                                        q.push(make_pair(i+1,j-2));
                                                  if((i-2))=0 and (i-2)< n and (j-1)>=0 and (j-1)< n and a[i-2][j-1]==0){
                                                        a[i-2][j-1]=a[i][j]+1;
                                                        q.push(make_pair(i-2,j-1));
                                                  }
if((i+2)>=0 and (i+2)<n and (j-1)>=0 and (j-1)<n and a[i+2][j-1]==0){
    a[i+2][j-1]=a[i][j]+1;
    q.push(make_pair(i+2,j-1));
}</pre>
                                       return a[x2-1][y2-1];
                    O Average Time: 20m
                                                                                        -<u>;</u>Ċ:-
                                                                                                       Compile &
                    Your Time: 18m 46s
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Minimum Step by Knight | Graph | Love Babbar DSA Sheet [Explaination + CODE] 🤚
                             }
                             queue<pair<int,int> > q;
                             q.push(make_pair(x1-1,y1-1));
                             while(!q.empty()){
    auto cur=q.front();
sition of
n the
                                  int i=cur.first;
int j=cur.second;
                                  q.pop();
peen
                                      if((i+1)>=0 \text{ and } (i+1)< n \text{ and } (j+2)>=0 \text{ and } (j+2)< n \text{ and } a[i+1][j+2]==0)
                                           a[i+1][j+2]=a[i][j]+1;
                                           q.push(make_pair(i+1,j+2));
                                      if((i-1))=0 and (i-1)<n and (j+2)>=0 and (j+2)<n and a[i-1][j+2]==0){
                                           a[i-1][j+2]=a[i][j]+1;
                                           q.push(make_pair(i-1,j+2));
                                       if((i-2))=0 and (i-2)<n and (j+1)>=0 and (j+1)<n and a[i-2][j+1]==0){
                                           a[i-2][j+1]=a[i][j]+1;
                                           q.push(make_pair(i-2,j+1));
                                      if((i+2)>=0 and (i+2)< n and (j+1)>=0 and (j+1)< n
                                           a[i+2][j+1]=a[i][j]+1;
                                           q.push(make_pair(i+2,j+1));
                                      it((1-1)>=ט and (1-1)<n and (J-2)>=ט and (J-2)<n
                                                                                                                100
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              12:03 / 13:56
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    a[i][j]=0;</pre>
                          queue<pair<int,int> > q;
                          q.push(make_pair(x1-1,y1-1));
                          while(!q.empty()){
                              auto cur=q.front();
                               int j=cur.second;
                              q.pop();
                                                                                                     60
            10:33 / 13:56
                                                                                                               #
```