Problem 1.18.9. Write a class called **Snake and Ladder** as explained in figure 1.24. THe expected output is shown in the figure 1.25 and 1.26



Figure 1.24: Snake and problem gate

Figure 1.25: Expected output when number of rounds is < 20

```
SnakeAndLadder problem STARTS
-----Board 100 -----
Number of squares = 100
For 500000 rounds: min = 7 max = 373
------Min game -----
1->(4)14->19->22->(28)84->88->94->100
 -----max game -----
1->3->5->7->(9)31->34->39->42->48->54->59->65->67->
73->77->79->82->88->92->(95)75->77->78->81->85->90->
(93)73->76->78->82->88->92->(93)73->78->79->83->(87)24->
27->32->(36)44->(49)11->17->(21)42->46->(47)26->31->32->
37->41->42->44->(47)26->30->34->40->46->50->(56)53->58->59->
60->65->67->68->72->77->81->84->86->89->(93)73->79->84->
(87)24->30->35->37->42->44->46->50->52->54->55->58->(64)60->
66->68->74->76->79->84->(87)24->(29)38->44->(47)26->31->35->
38->39->45->(47)26->(29)38->44->45->(49)11->13->15->20->
(21)42->43->(49)11->17->23->26->32->35->(36)44->46->50->
55->59->60->(62)19->25->27->30->32->38->40->42->43->45->
50->(56)53->54->57->58->59->(64)60->(62)19->24->30->35->39->
44->(47)26->(29)38->42->46->(47)26->32->(36)44->(49)11->
17->(21)42->(47)26->27->31->35->40->44->(47)26->30->(36)44->
45->46->48->52->58->(62)19->20->22->26->(29)38->39->42->
43->45->48->50->53->55->57->60->66->67->68->70->72->75->
76->81->(87)24->(28)84->88->90->(95)75->81->83->(87)24->26->
27->31->35->41->43->45->48->(49)11->15->18->24->(29)38->40->
43->(49)11->12->18->23->(29)38->39->40->41->42->46->(49)11->
13->19->20->26->27->30->31->32->35->41->(47)26->32->
(36)44->45->46->(49)11->15->20->(21)42->46->(51)67->69->(71)91->
(93)73->77->81->(87)24->25->(29)38->42->48->54->55->58->60->
65->69->73->78->79->83->84->85->88->92->(93)73->78->84->90->
(95)75->78->83->(87)24->(28)84->85->(87)24->27->(29)38->43->45->
(51)67->68->74->79->81->(87)24->(29)38->43->46->52->57->58->
60->(62)19->25->30->32->35->37->39->43->44->50->(51)67->69->
73->78->82->86->(87)24->(28)84->85->(87)24->27->30->(36)44->
46->(47)26->30->33->42->45->(49)11->15->(16)6->12->17->(21)42->44->
46->(49)11->(16)6->10->13->18->23->27->(29)38->43->45->46->(47)26->
(29)38->42->44->46->(51)67->70->76->82->86->91->94->(95)75->77->83->
89->92->94->(98)78->81->83->85->91->(93)73->79->(80)100
                                  For 500000 rounds
CAN YOU BEAT ME?
SnakeAndLadder problem ENDS
```

Figure 1.26: Expected output when number of rounds is > 20