WORDOKU OUTPUT USING BACKTRACKING

INPUT TEST CASE 1
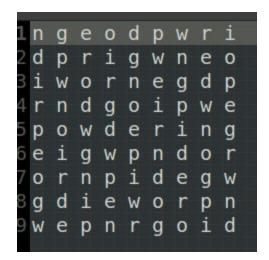
```
w * t * * * * * *
* * * p * * * * *
a * * t * n y * *
* t i * y * * p *
y * * * * * * * s
* s * * t o * n *
* * y s * * * * *
* * * * * i t * *
* * * * * * a * p
```

OUTPUT TEST CASE 1

```
1 w n t i s y p o a
2 i y o p a w n t 0
3 a p s t o n y w i
4 n t i a y s w p o
5 y o w n i p 0 a s
6 p s a w t o i n y
7 t w y s p a o i n
8 o a p y n i t s w
9 s i n o w t a y p
```

INPUT TEST CASE 2

```
* * * * * p w r i
d * r i * * n * *
* w * r * * * * *
r n * * * * p * e
* * * * * * * * *
e * g * * * * o r
* * * * * d * g *
* * i * * o r * n
w e p n * * * * *
```

OUTPUT TEST CASE 2

```
1 n g e o d p w r i
2 d p r i g w n e o
3 i w o r n e g d p
4 r n d g o i p w e
5 p o w d e r i n g
6 e i g w p n d o r
7 o r n p i d e g w
8 g d i e w o r p n
9 w e p n r g o i d
```

INPUT TEST CASE 3

```
* a * * * * d *
* * s * * b * *
* * * n * * * *
* b * t * s * n *
* * * * b * * *
* t * n * i * w *
* * * b * w * * *
a * * * * * b *
t * * * l * s * *
```

OUTPUT TEST CASE 3

```
1 i a w l t b n d s
2 l n s i w d b t a
3 b d t s n a i l w
4 w b l t d s a n i
5 n i a w b l d s t
6 s t d n a i l w b
7 d l i b s w t a n
8 a s n d i t w b l
9 t w b a l n s i d
```

INPUT TEST CASE 4

```
* r * * n * b * *
n * * * b * r * *
* * * o * * * * *
* * * m * * * * *
* s n * * * * * *
e * * * * u * * *
* * * * * a * * *
* * b * s * * * m
* * o * * * * s *
```

OUTPUT TEST CASE 4

```
1 s r e u n m b o a
2 n o u a b s r m e
3 m b a o e r s u n
4 b u r m o n e a s
5 o s n e a b m r u
6 e a m s r u o n b
7 r e s n m a u b o
8 u n b r s o a e m
9 a m o b u e n s r
```

INPUT TEST CASE 5

```
1 * p * * * * i * d
2 d * * * * * * * *
3 * b * * * * p a *
4 p * * * * w * * b
5 * * * * * * * k *
6 * a * * * * * * *
7 b * * * * * * * *
8 * * * * * * * * *
9 e r * * * k b * *
```

OUTPUT TEST CASE 5

```
1 a p e r k b i w d
2 d k i a w p e b r
3 r b w e d i p a k
4 p e d k r w a i b
5 i w r p b a d k e
6 k a b d i e r p w
7 b d k i a r w e p
8 w i p b e d k r a
9 e r a w p k b d i
```

Console Output


```
sanchit@sanchit-HP-Laptop-15-bs0xx: /media/sanchit/New V...

sanchit@sanchit-HP-Laptop-15-bs0xx:/media/sanchit/New Volume/IIT-ROPAR/AI/2020ai
m1009/Game-3-Workodu$ python3 WordokuSolver_Backtracking.py

Final GoalTest True

Total time: 0.004645347595214844

Total search time: 0.004436016082763672

Total nodes generated: 166
sanchit@sanchit-HP-Laptop-15-bs0xx:/media/sanchit/New Volume/IIT-ROPAR/AI/2020ai
m1009/Game-3-Workodu$ python3 WordokuSolver_Backtracking.py

Final GoalTest True

Total time: 0.0065991878509521484

Total search time: 0.00637364387512207

Total nodes generated: 313
sanchit@sanchit-HP-Laptop-15-bs0xx:/media/sanchit/New Volume/IIT-ROPAR/AI/2020ai
m1009/Game-3-Workodu$
```