

Integrantes:

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Relatório EP 1

Para testes com rainhas inclusas ($K = 0$), foram testados

N	K	tempo de compilacao
2	0	0.15s
3	0	0.13s
4	0	0.33s
5	0	6.61s
6	0	8.65s
7	0	14m24s

Exemplos de resultados

2 0

 UNSAT


```
real    0m1.617s
user    0m0.152s
```

3 0

 UNSAT

```
real    0m2.074s
user    0m0.137s
```

4 0

 SAT

```
. . Q .
```

```

Q . . .
. . . Q
. Q . .

```

```

real    0m2.483s
user    0m0.332s

```

5 0

☐ SAT

```

. . . . Q
. . Q . .
Q . . . .
. . . Q .
. Q . . .

```

```

real    0m7.724s
user    0m6.610s

```

6 0

☐ SAT

```

. . . . Q .
. . Q . . .
Q . . . . .
. . . . . Q
. . . Q . .
. Q . . . .

```

```

real    0m10.700s
user    0m8.656s

```

7 0

☐ SAT

```

. . . . . Q
. . . . Q .
. . Q . . .
Q . . . . .
. . . . . Q
. . . Q . .
. Q . . . .

```

```

real    14m28.316s
user    14m.24.748s

```

Para testes com rainhas não inclusas ($K > 0$), foram testados para:

N	K	tempo de compilacao
4	1	0.14s
4	2	0.19s
4	3	0.18s
4	4	0.19s
5	2	0.52s
8	8	7.88s

Exemplos de resultados

4 1

0 0

UNSAT

real 0m12.948s
user 0m0.176s

4 1

0 1

SAT
. Q . .
. . . Q
Q . . .
. . Q .

real 0m4.804s
user 0m0.147s

4 2

0 1
3 2

SAT
. Q . .
. . . Q
Q . . .

```

. . Q .

real    0m24.383s
user    0m0.194s

```

43

```

> 0 1
1 3
3 2

SAT
. Q . .
. . . Q
Q . . .
. . Q .

real    0m21.962s
user    0m0.187s

```

44

```

> 0 1
1 3
2 0
3 2

SAT
. Q . .
. . . Q
Q . . .
. . Q .

real    0m19.215s
user    0m0.193s

```

51

```

> 0 0

SAT
Q . . . .
. . . Q .
. Q . . .
. . . . Q
. . Q . .

real    0m7.255s
user    0m0.526s

```

84

```
0 2
1 0
2 3
3 1

UNSAT
real    0m28.231s
user    0m0.449s
```

88

```
0 0
1 4
2 7
3 5
4 2
5 6
6 1
7 3

SAT
Q . . . . .
. . . . Q . .
. . . . . Q
. . . . Q . .
. . Q . . . .
. . . . . Q .
. Q . . . . .
. . . Q . . .

real    0m57.805s
user    0m7.889s
```