

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx","b",""}, {"vx", "pdf", "sc", "qz"}, {"r","yy"}}
```

a = b
i = 0, j = 0, k = 0
p = false, s = ""

i	j	k	p	s
0	0	0	FALSE	

a.length = 4, !p = TRUE

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	0	0	FALSE	""

i < a.length = 4 && !p = TRUE

SI

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

a[0][0].length() <= a[0][1].length() ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

a[0][0].length() <= a[0][1].length() ?

4 <= 2 ? NO

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

a[0][0].length() <= a[0][1].length() ?

4 <= 2 ? NO

STOP for

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
0	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

a[0][0].length() <= a[0][1].length() ?

4 <= 2 ? NO

STOP for

p = FALSE

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 0, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[0].length - 1) = [0, 1)

a[0][0].length() <= a[0][1].length() ?

4 <= 2 ? NO

STOP for

p = FALSE

i = 1

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 1, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
1	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
1	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
1	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ? NO

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 1, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ? NO

a[1][1].length() <= a[1][2].length() ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 1, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ? NO

a[1][1].length() <= a[1][2].length() ?

1 <= 0 ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 1, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ? NO

a[1][1].length() <= a[1][2].length() ?

1 <= 0 ? NO

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 1, j = 1, k = 0

p = false, s = ""

i	j	k	p	s
1	1	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[1].length - 1) = [0, 2)

a[1][0].length() <= a[1][1].length() ?

3 <= 1 ? NO

a[1][1].length() <= a[1][2].length() ?

1 <= 0 ? NO

STOP for

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

```
a = b
i = 1, j = 2, k = 0
p = false, s = ""
```

i	j	k	p	s
1	2	0	FALSE	

```
i < a.length = 4 && !p = TRUE ?      SI      p = FALSE
j = [0, a[1].length - 1) = [0, 2)      i = 2
```

```
a[1][0].length() <= a[1][1].length() ?
3 <= 1 ?      NO
```

```
a[1][1].length() <= a[1][2].length() ?
1 <= 0 ?      NO
```

STOP for

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

```
a = b
i = 2, j = 2, k = 0
p = false, s = ""
```

i	j	k	p	s
2	2	0	FALSE	

```
i < a.length = 4 && !p = TRUE ?      SI      p = FALSE
j = [0, a[1].length - 1) = [0, 2)      i = 2
```

```
a[1][0].length() <= a[1][1].length() ?
3 <= 1 ?      NO
```

```
a[1][1].length() <= a[1][2].length() ?
1 <= 0 ?      NO
```

STOP for

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 2, k = 0

p = false, s = ""

i	j	k	p	s
2	2	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 2, k = 0

p = false, s = ""

i	j	k	p	s
2	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 0, k = 0

p = false, s = ""

i	j	k	p	s
2	0	0	FALSE	

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

a[2][0].length() <= a[2][1].length() ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 0, k = 0

p = TRUE, s = ""

i	j	k	p	s
2	0	2	TRUE	vx

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

a[2][0].length() <= a[2][1].length() ?

2 <= 3 ? SI

p = TRUE

k = 2

s = "" + a[2][0] = vx

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 1, k = 0

p = true, s = vx

i	j	k	p	s
2	1	2	TRUE	vx

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

a[2][1].length() <= a[2][2].length() ?

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 1, k = 2

p = true, s = vx

i	j	k	p	s
2	2	2	TRUE	vx

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

a[2][1].length() <= a[2][2].length() ?

3 <= 2 ? NO

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 2, j = 2, k = 2

p = true, s = vx

i	j	k	p	s
2	2	2	TRUE	vx

i < a.length = 4 && !p = TRUE ? SI

j = [0, a[2].length - 1) = [0, 3)

a[2][1].length() <= a[2][2].length() ?

3 <= 2 ? NO

a[2][2].length() <= a[2][3].length() ?

2 <= 2 ? SI

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

```
a = b
i = 2, j = 2, k = 2
p = true, s = vxsc
```

i	j	k	p	s
2	2	2	TRUE	vxsc

```
i < a.length = 4 && !p = TRUE ? SI
```

```
p = TRUE
s = vx + a[2][2] = vxsc
```

```
j = [0, a[2].length - 1) = [0, 3)
```

```
a[2][1].length() <= a[2][2].length() ?
3 <= 2 ? NO
```

```
k = 2
i = 3
```

```
a[2][2].length() <= a[2][3].length() ?
2 <= 2 ? SI
```

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

```
a = b
i = 3, j = 2, k = 2
p = true, s = vxsc
```

i	j	k	p	s
3	2	2	TRUE	vxsc

```
i < a.length = 4 && !p = TRUE ? SI
```

```
p = TRUE
s = vx + a[2][2] = vxsc
```

```
j = [0, a[2].length - 1) = [0, 3)
```

```
a[2][1].length() <= a[2][2].length() ?
3 <= 2 ? NO
```

```
k = 2
i = 3
```

```
a[2][2].length() <= a[2][3].length() ?
2 <= 2 ? SI
```

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

```
a = b
i = 3, j = 2, k = 2
p = true, s = vxsc
```

i	j	k	p	s
3	2	2	TRUE	vxsc

```
i < a.length = 4 && !p = TRUE ?      SI
```

```
p = TRUE
s = vx + a[2][2] = vxsc
```

```
j = [0, a[2].length - 1) = [0, 3)
```

```
a[2][1].length() <= a[2][2].length() ?
3 <= 2 ?      NO
```

```
k = 2
i = 3
```

```
a[2][2].length() <= a[2][3].length() ?
2 <= 2 ?      SI
```

STOP for

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 3, j = 2, k = 2

p = true, s = vxsc

i	j	k	p	s
3	2	2	TRUE	VXSC

i < a.length = 4 && !p = FALSE ? NO

Esercizio 1 - 21 Gennaio 2019

```
b[][] = {{"jkrr", "tw"}, {"fgx", "b", ""}, {"vx", "pdf", "sc", "qz"}, {"r", "yy"}}
```

a = b

i = 3, j = 3, k = 2

p = true, s = vxsc

i	j	k	p	s
3	3	2	TRUE	VXSC

i < a.length = 4 && !p = FALSE ? NO

Output = i:3, j:3, k:2, p:true, s:vxsc