Activity Diagram:

main

```
subjekte : string [] = [ ... ]
Praedikate : string [] = [ ... ]
objekte : string [] = [ ... ]

i : number = subjekte.length
```

◇ [i ≤ 0 subjekte.length] → ⊙

i++

```
i = i
console.log(getVerse(subjekte, Praedikate
                      objekte)
```
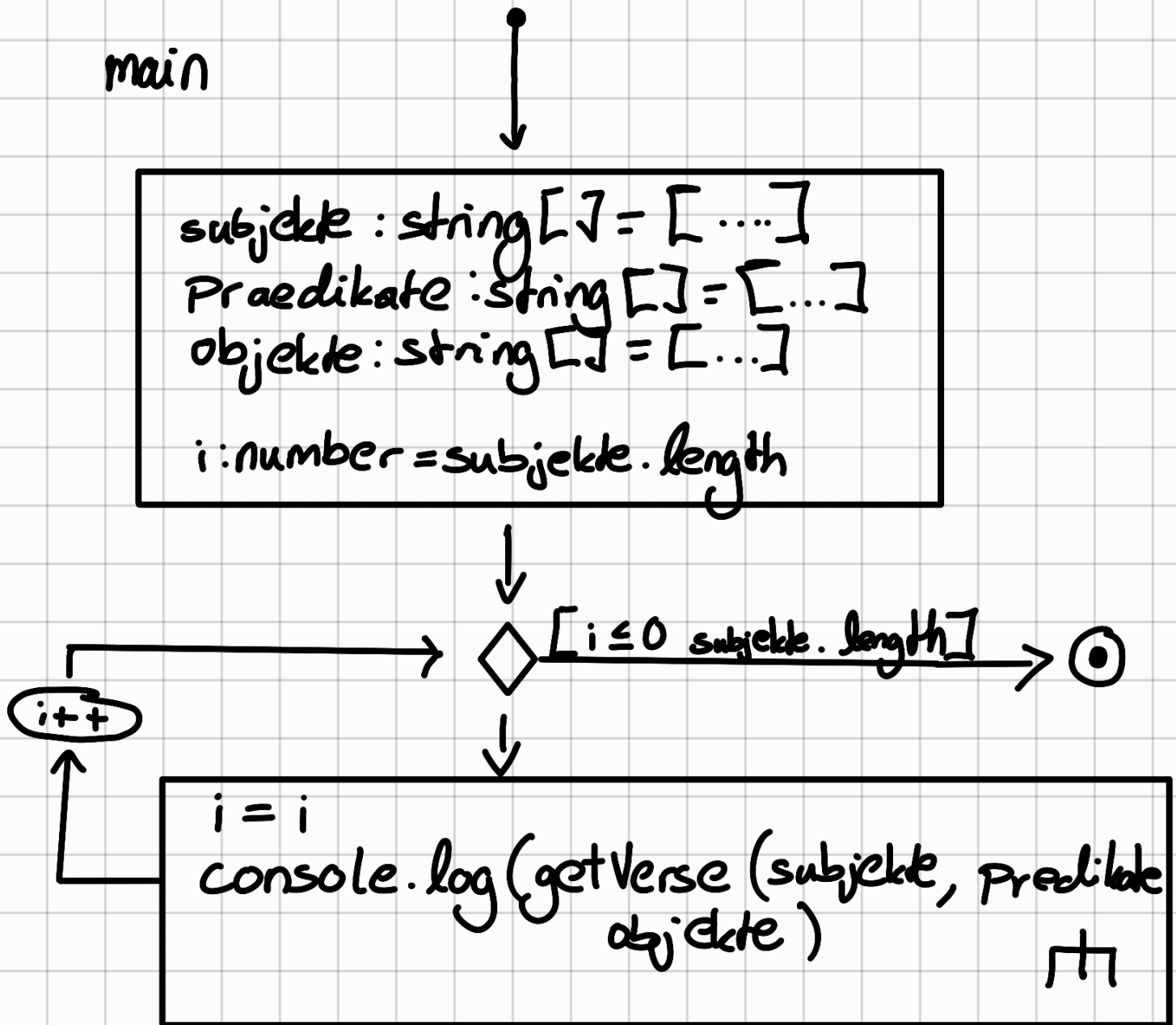
get Verse

```
_a : string []
_b : string []
_c : string []
```

```
vers : string = " "
```

```
count : number = Math.random () * _a.length
count = Math.floor (count)

vers = vers + _a [count] + " "
```

```
_a.splice (count, 1)
```

```
count2 : number = Math.random () * _a.length
count2 = Math.floor (count2)

vers = vers + _b [count2] + " "
```

```
_b.splice (count2, 1)
```

count3.number = Math.random() * _a.length
count3 = Math.floor(count3)

vers = vers + _c[count3] + " "

(_c.splice(count3, 1))

return vers

Tracetable:

kommentar	Count number	vers string	_c string[] objekte
		= ""	
random num	4.59967		
rund count	4		
		+ 'Sirius'	
stelle 4 wird von subjekte entfernt	2.76..		
round count	2		
		+ 'Studiert'	
stelle 2 wird gespliced			
rand. number	2.23...		
round numb.	2		
		+ 'Hogwarts'	
stelle 2 wird gespliced			- 'Hogwarts'
return vers			

Poem   subjekte: string[]=[...]

main

Nr.	subjekte string[]	Praedikate string[]	objekte string[]	i number	Kommentar
11	[...]	[...]	[...]		
12					
22				i = 6	i>0 ? →True
25					getVerse console.log (getVerse) ↳ gibt Sirius studiert Hogwarts in der Konsole aus
22				i--	i>0 ? →True
25					getVerse

getVerse

Nr.	-a string[] subjekte	-b string[] Praedikate
30	subjekte	Praedikate
32		
33		
34		
35		
36	subjekte-sirius	
38		
39		
40		
41		
43		
44		
45		
46		
49		'studiert'
...		