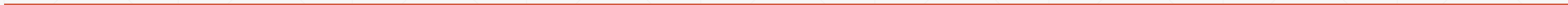
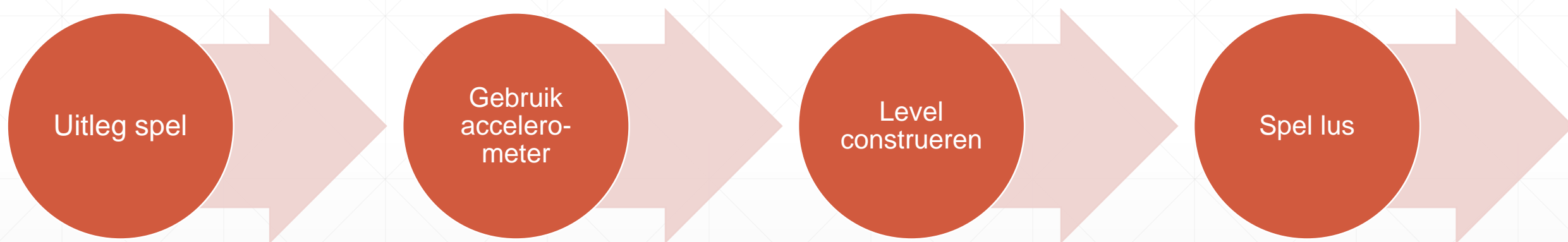


Ninja Jump

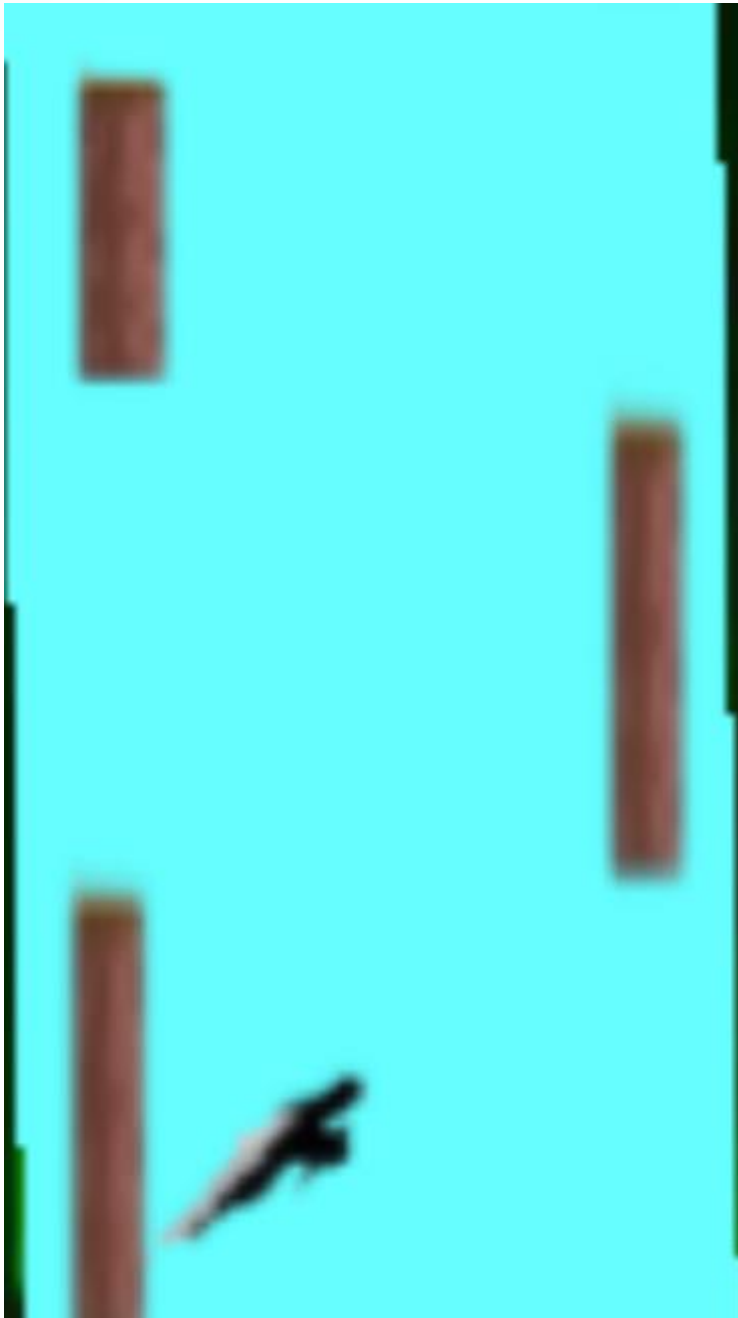
Ingenieursproject van Ruben De Facq en Sean Deloddere

Inhoud presentatie



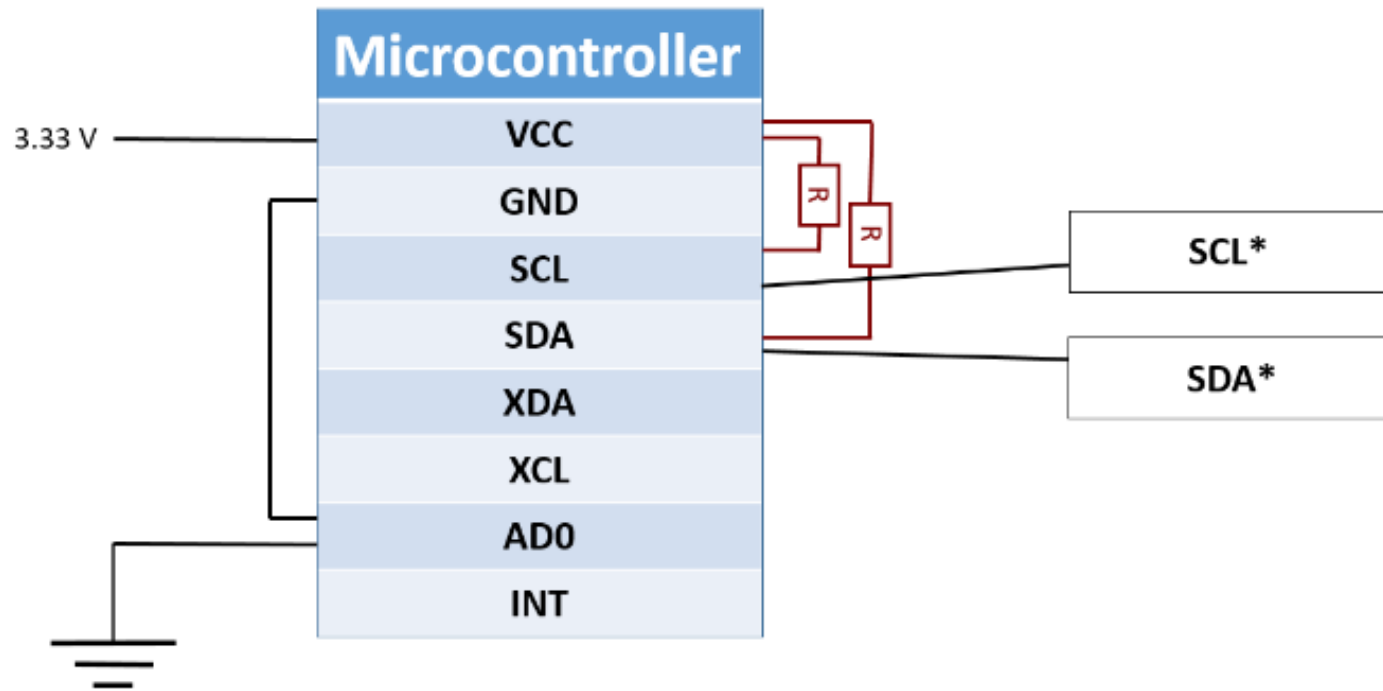
Ninja Jump

Wat is het?

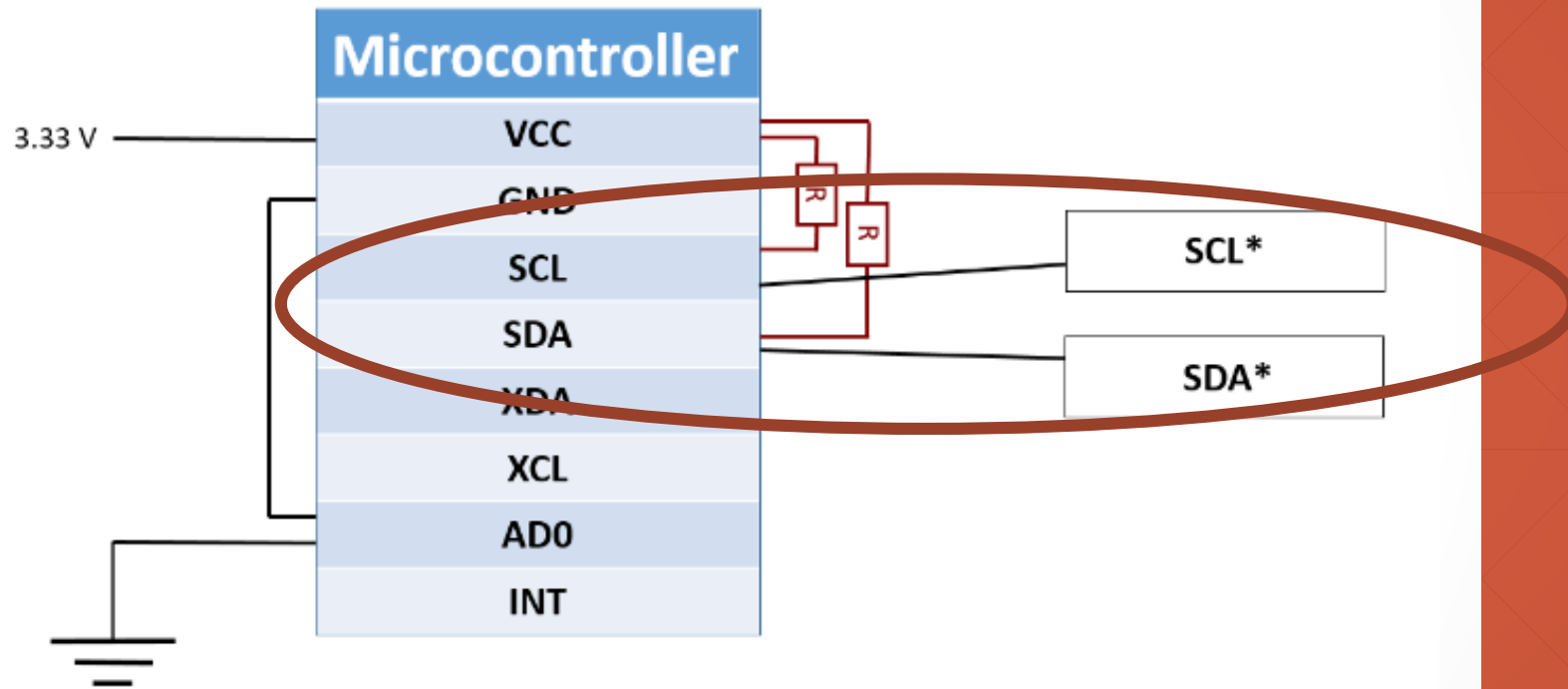


Video

Gebruik accelerometer



Waarden inlezen



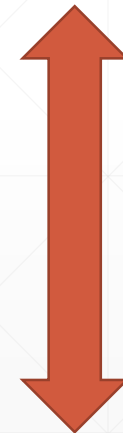
Waarden inlezen

Toepassing

Kantelhoek



Hellingshoek



versnellen

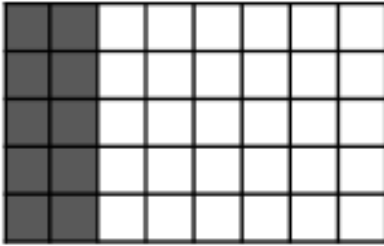


Level construeren

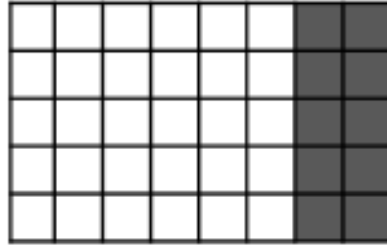
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Rijen vullen

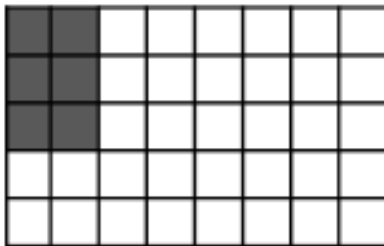
Karakter 1



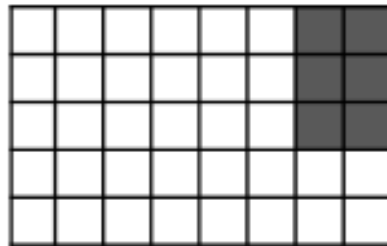
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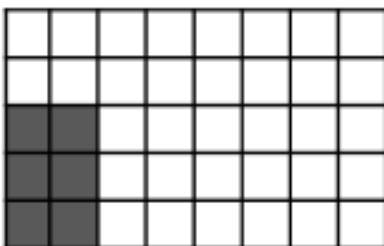
Karakter 2



Karakter 5



Karakter 3



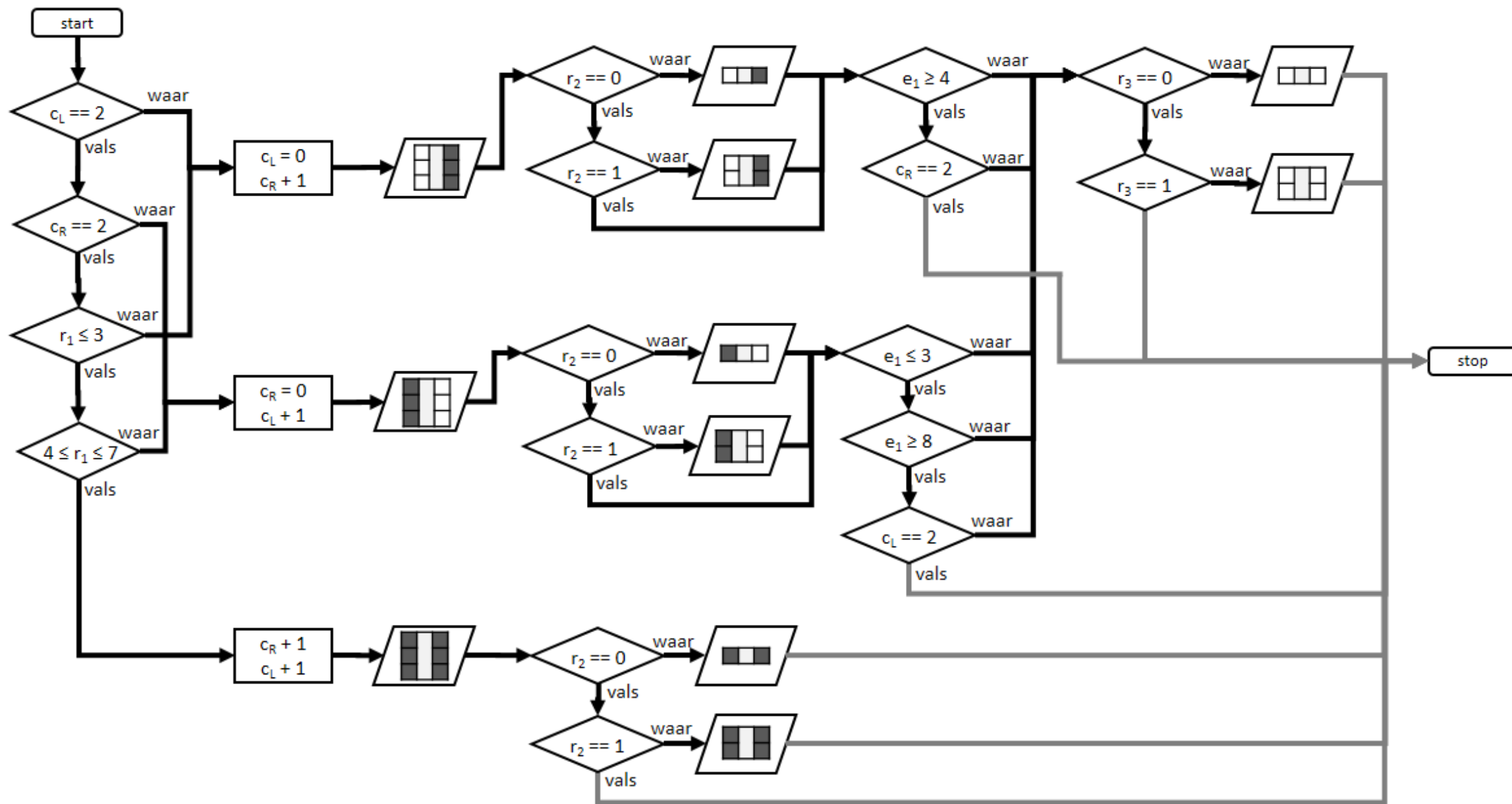
Karakter 6



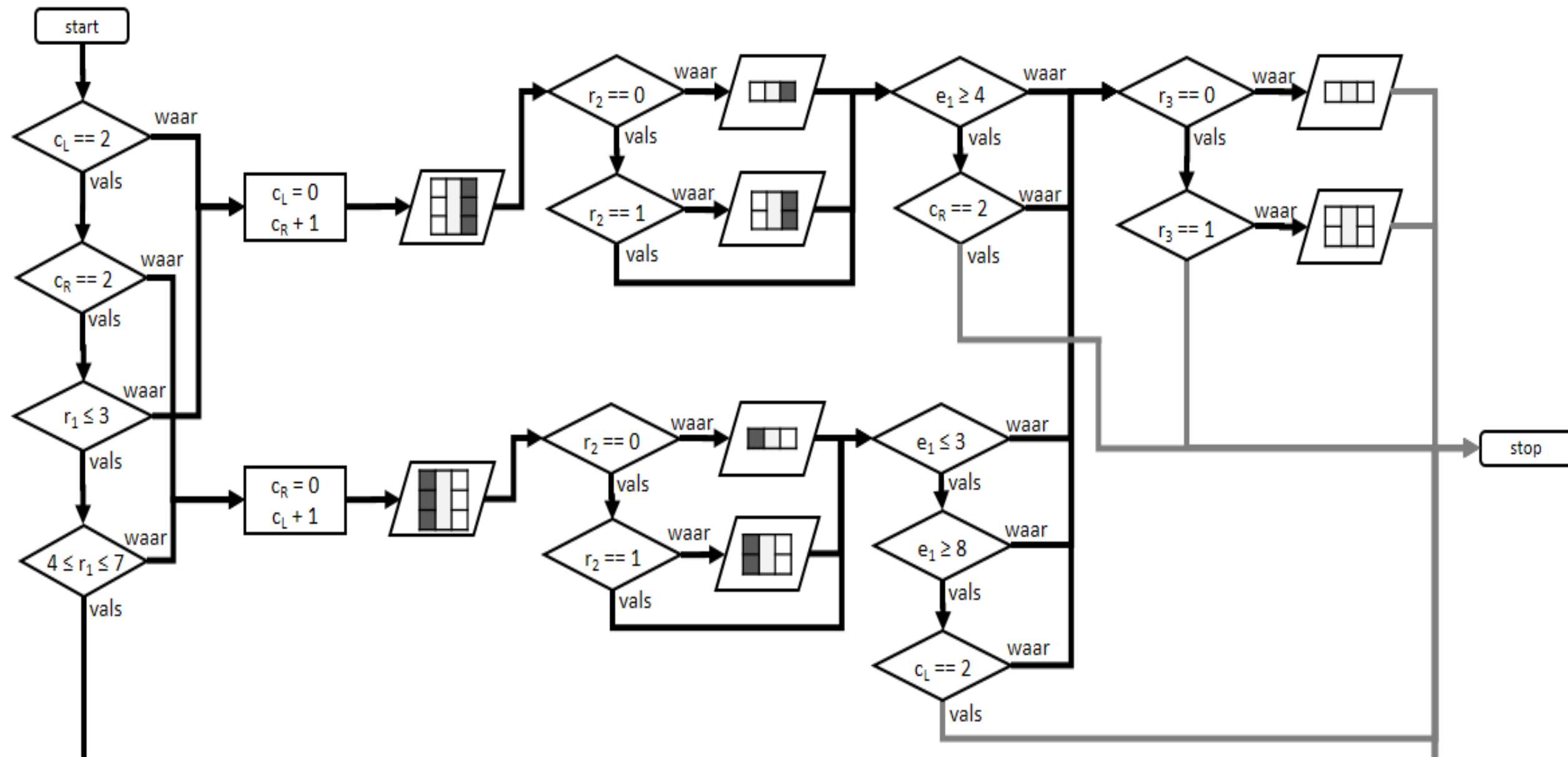
8 karakters

Algorithme level

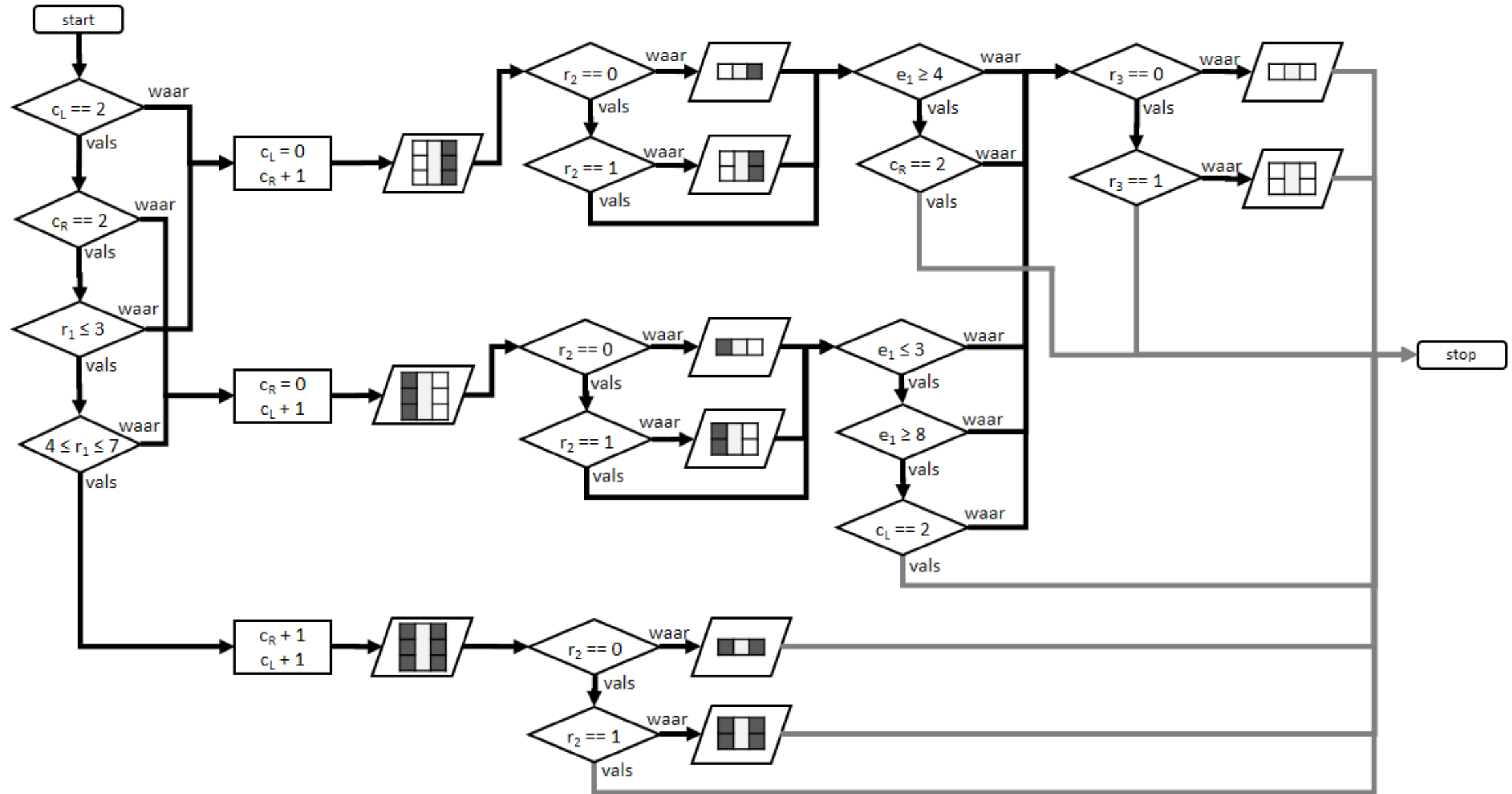
Algoritme level



Algoritme level

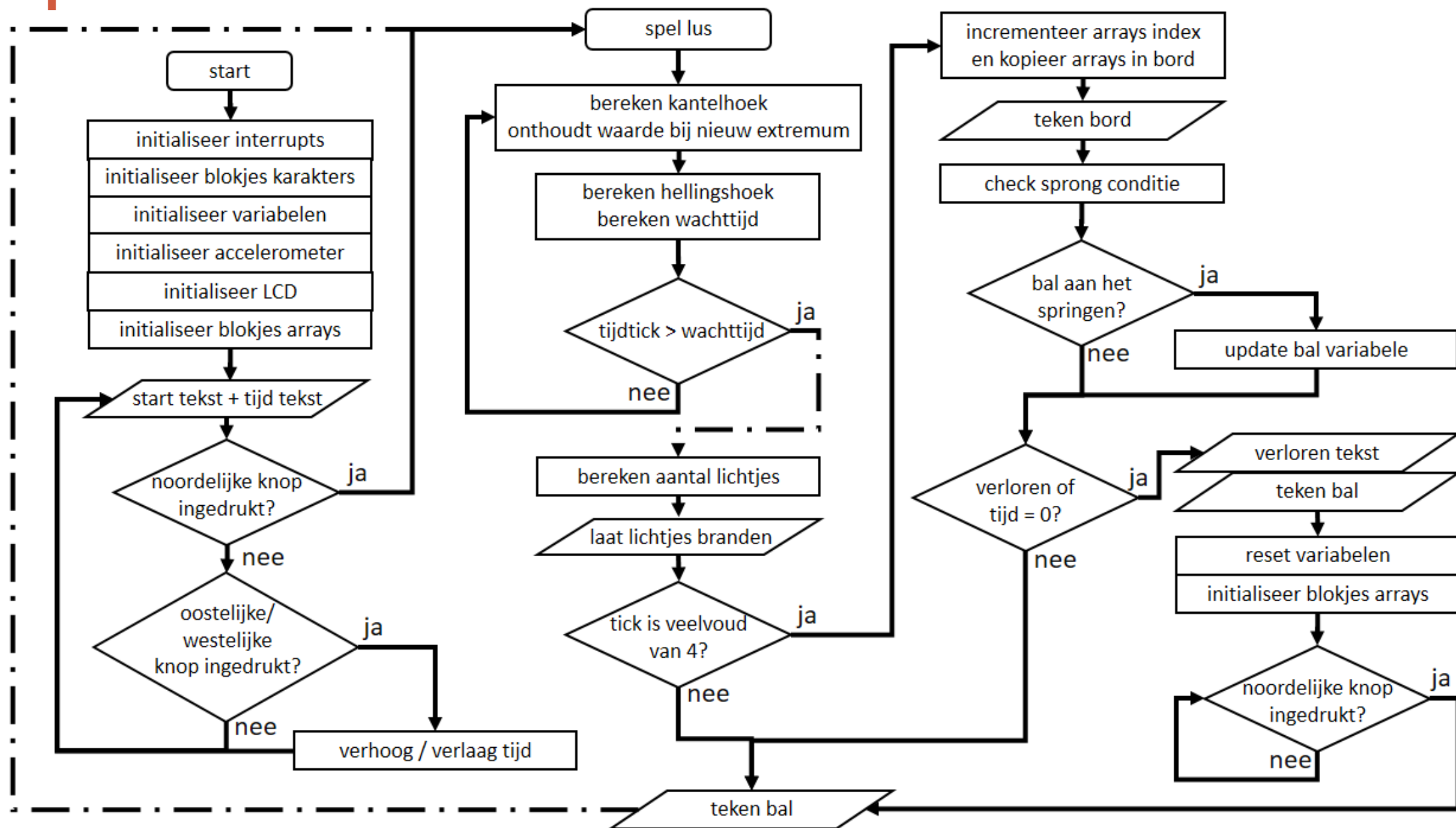


Algoritme level

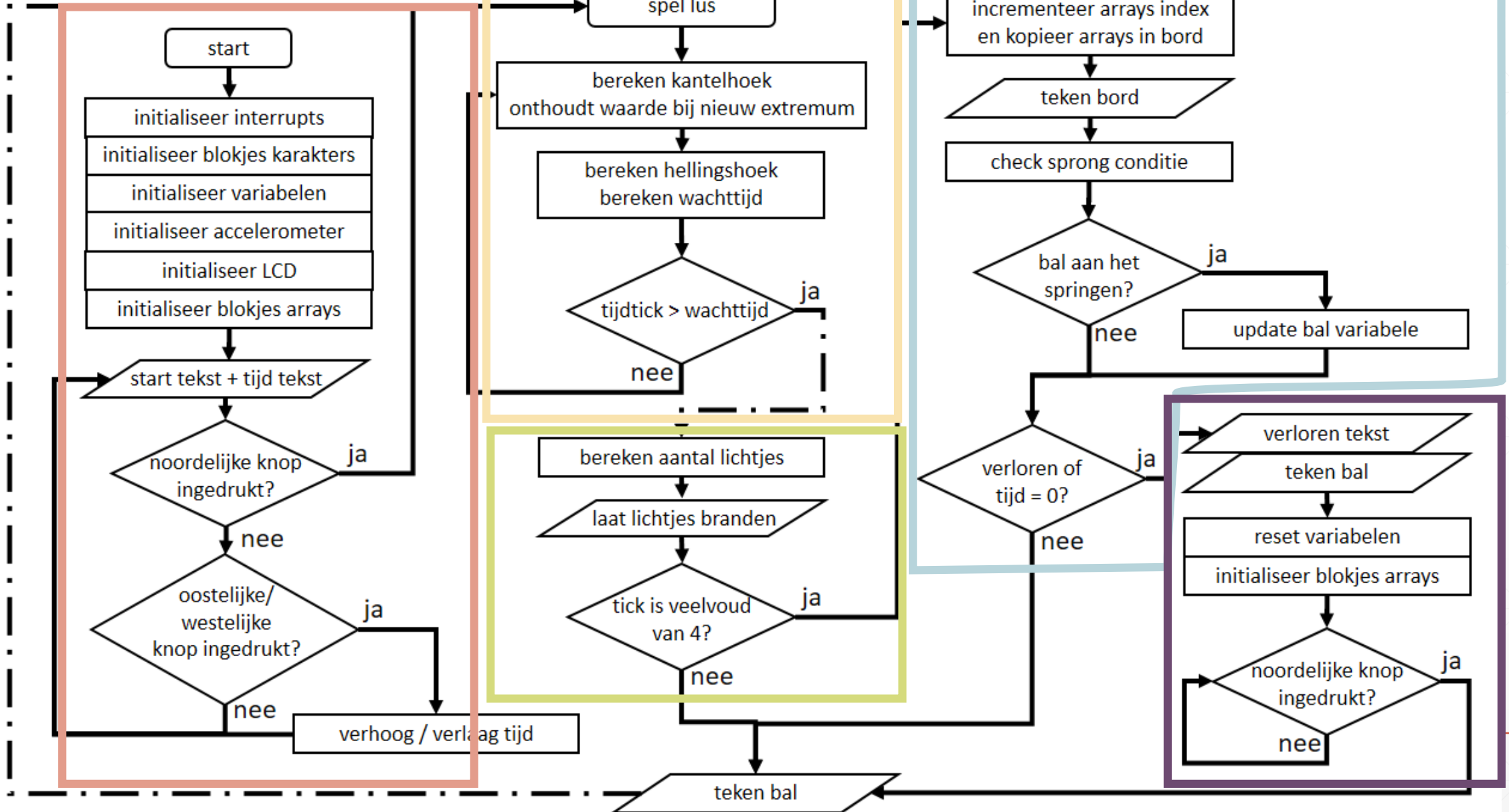


Spel lus

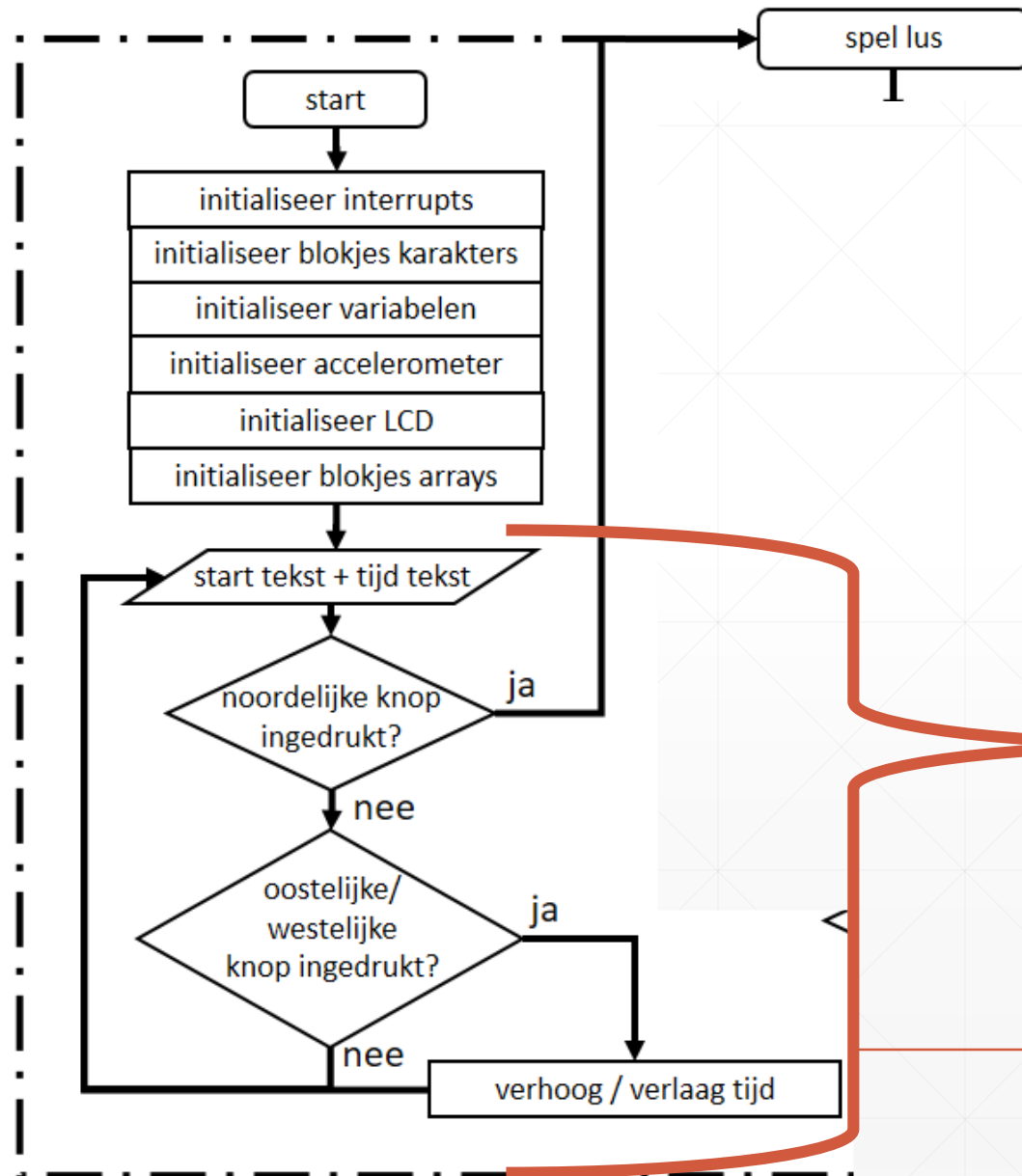
Spel Lus



Spel Lus



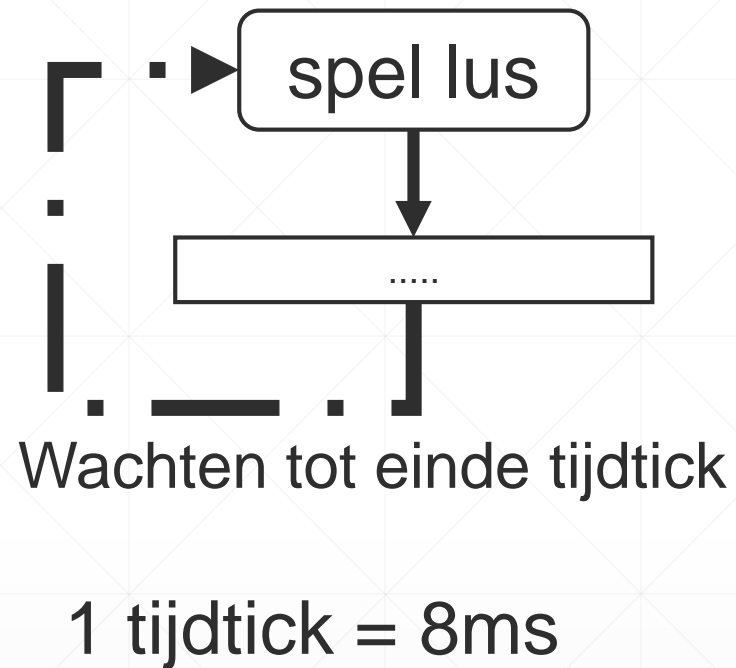
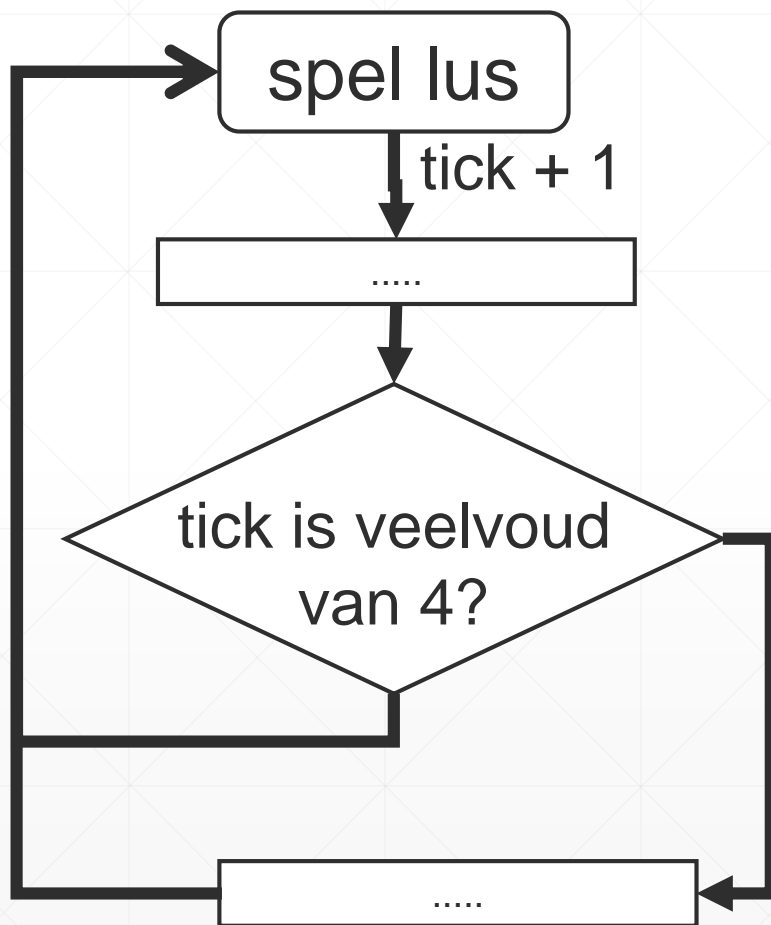
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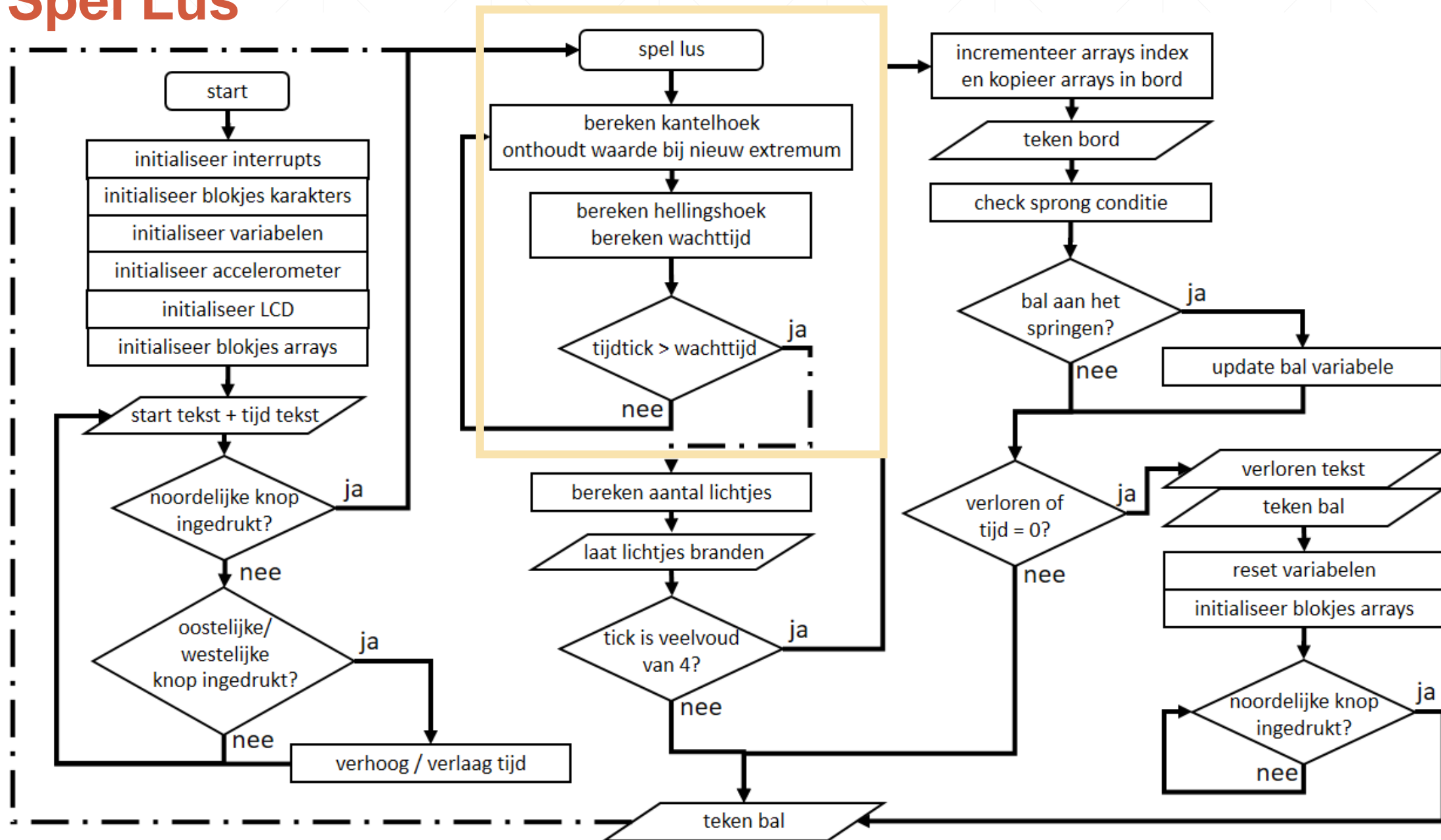
Tick

en

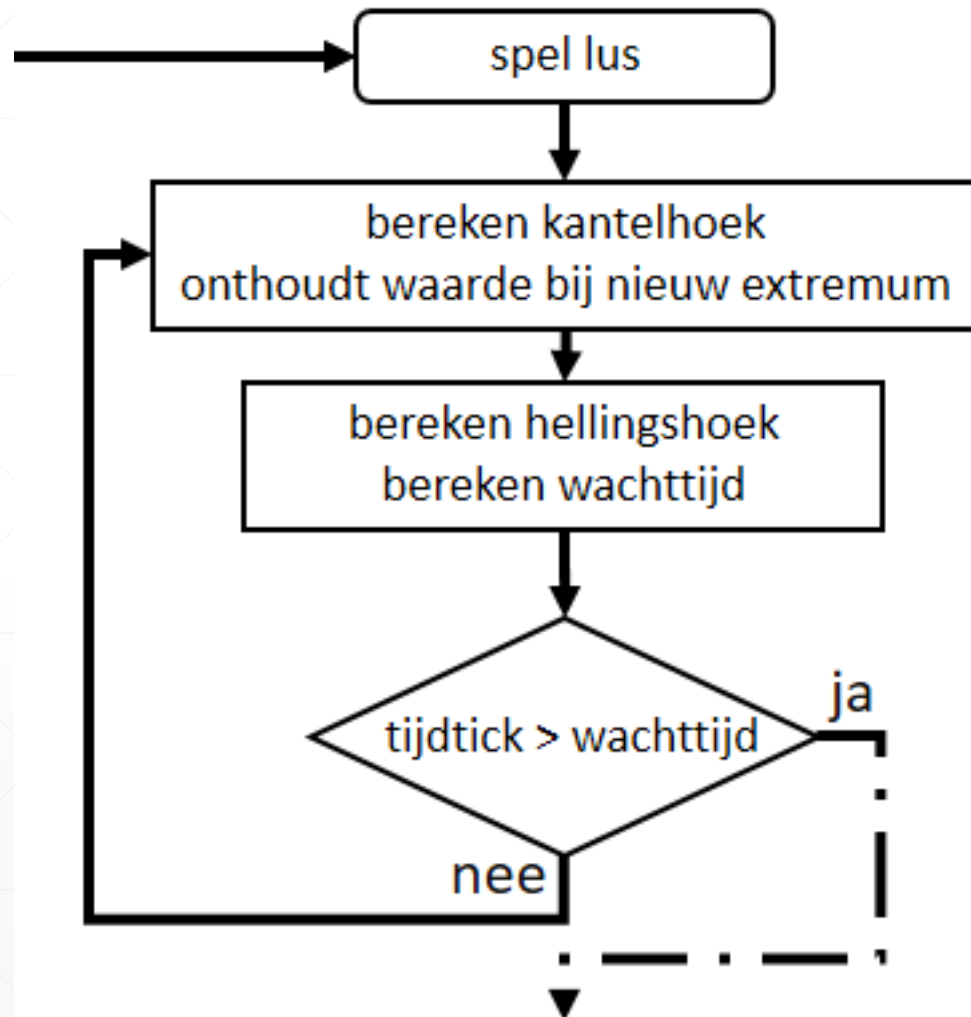
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Spel Lus



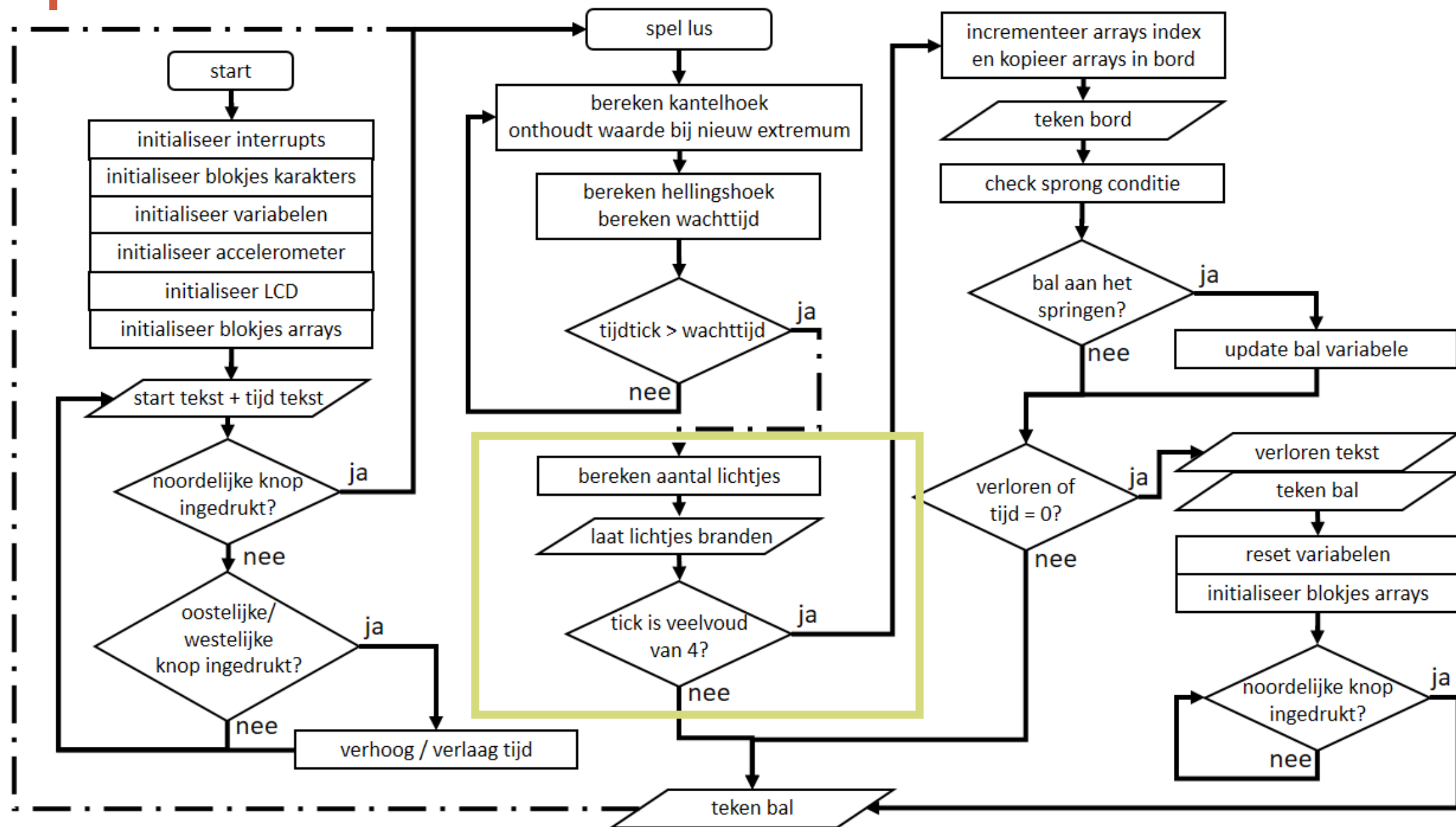
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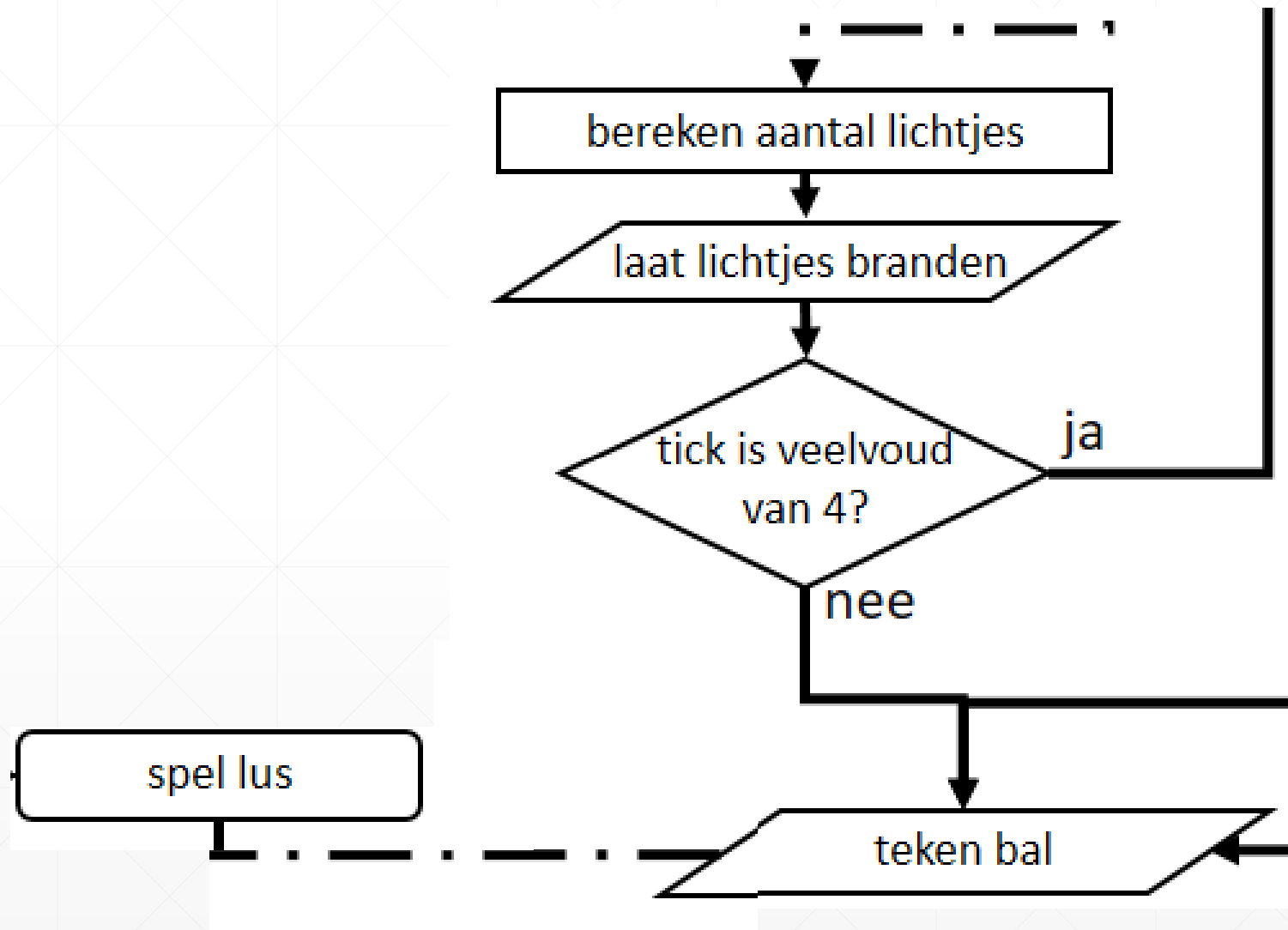
$$\text{Kantelhoek: } \frac{180^\circ}{\pi} \operatorname{atan} \left(\frac{G_y}{\sqrt{G_x^2 + G_z^2}} \right),$$

$$\text{hellingshoek: } \frac{180^\circ}{\pi} \operatorname{atan} \left(\frac{-G_x}{G_z} \right).$$

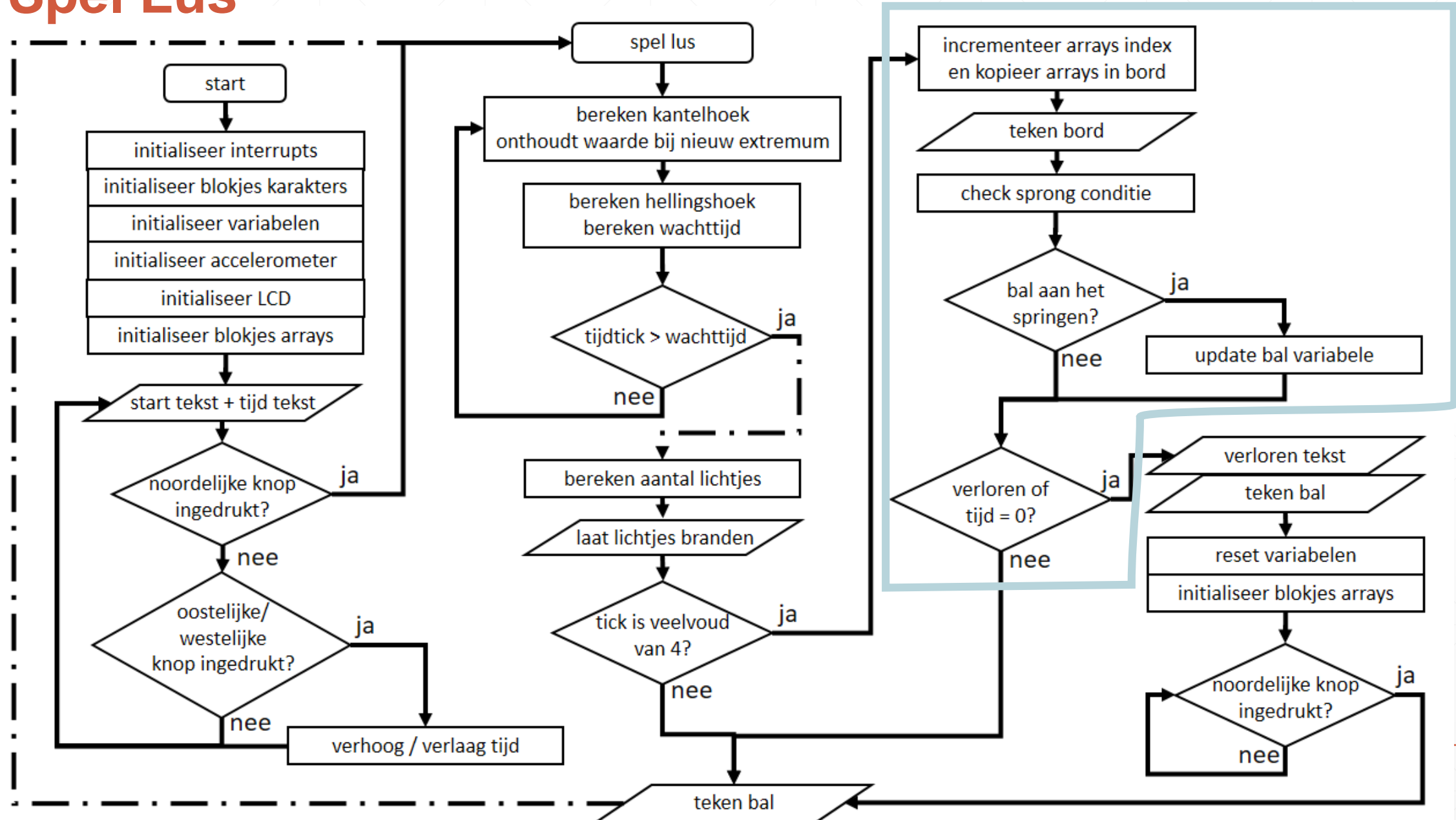
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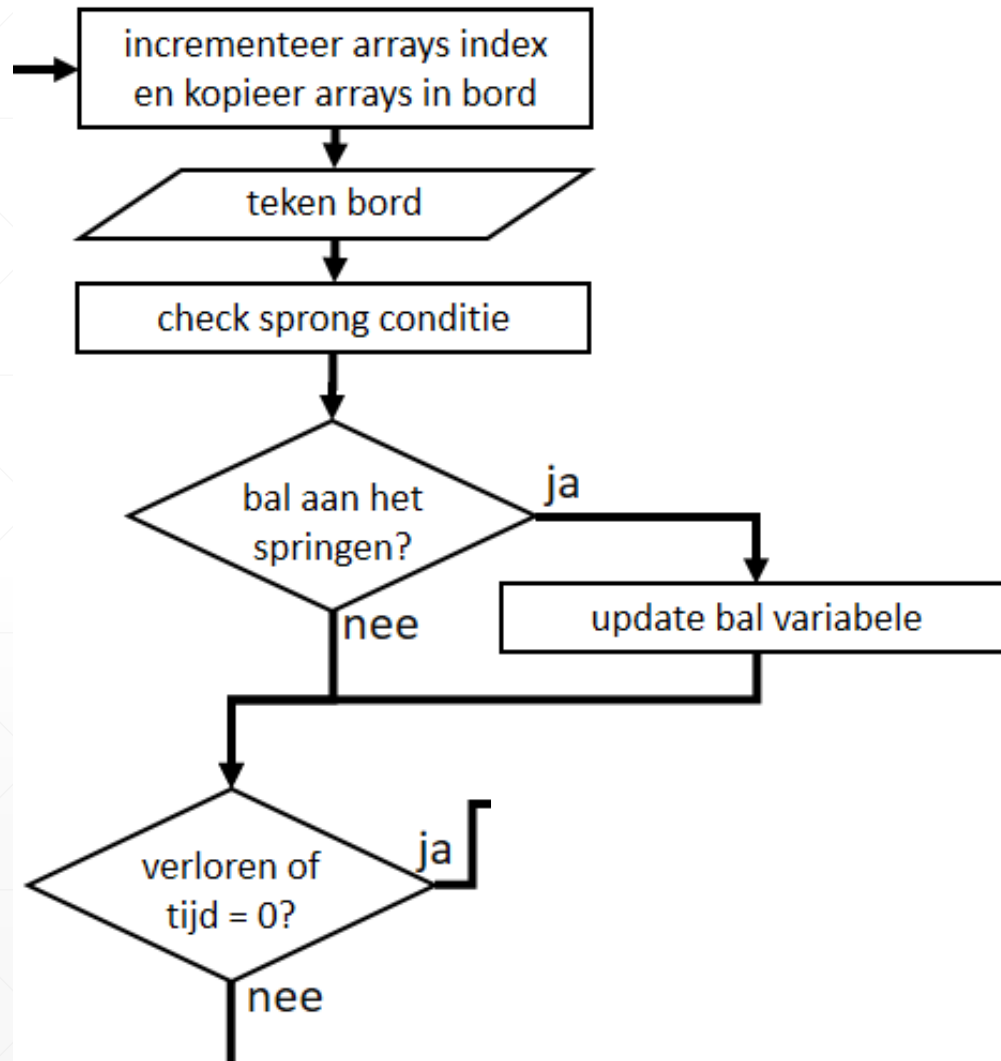
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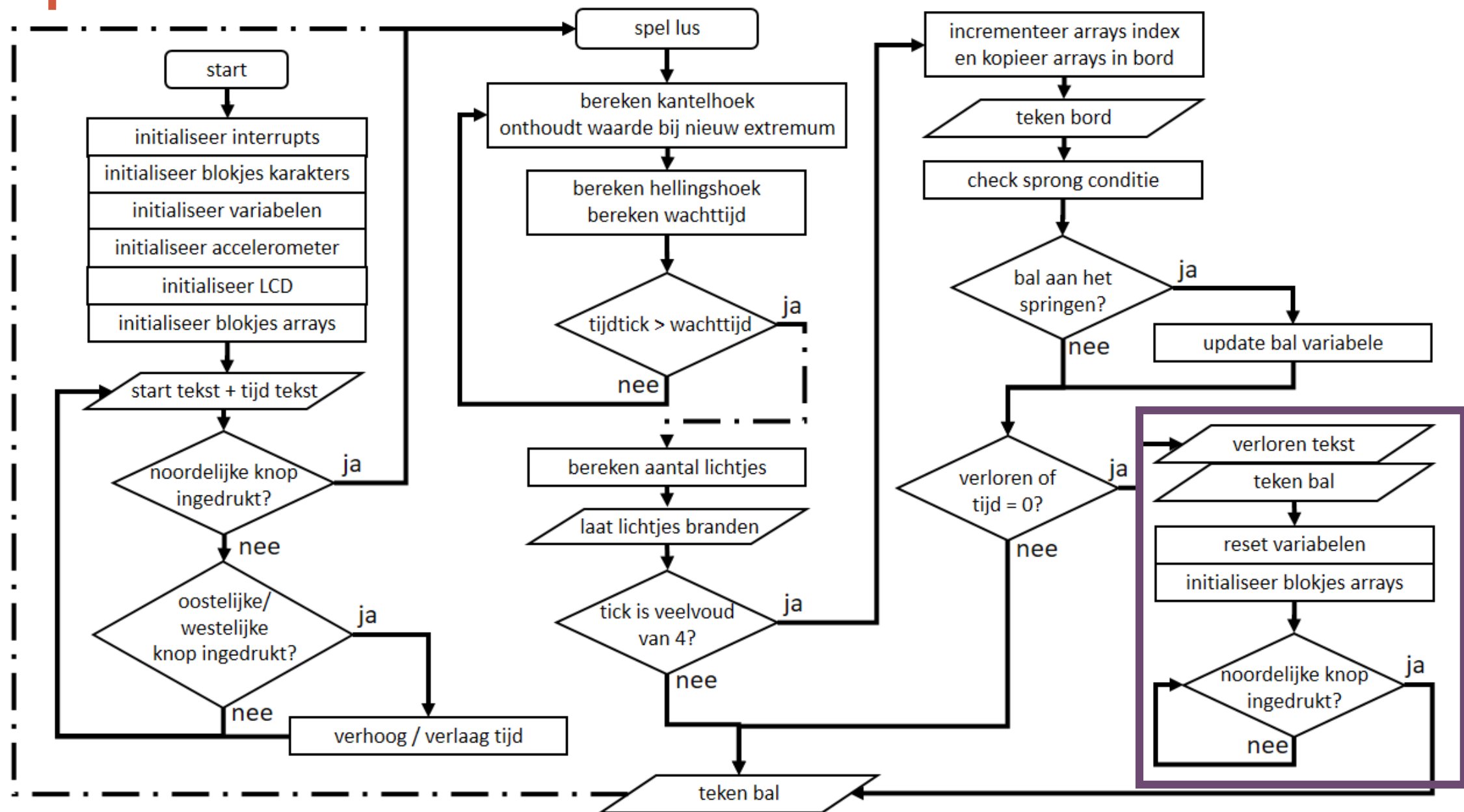
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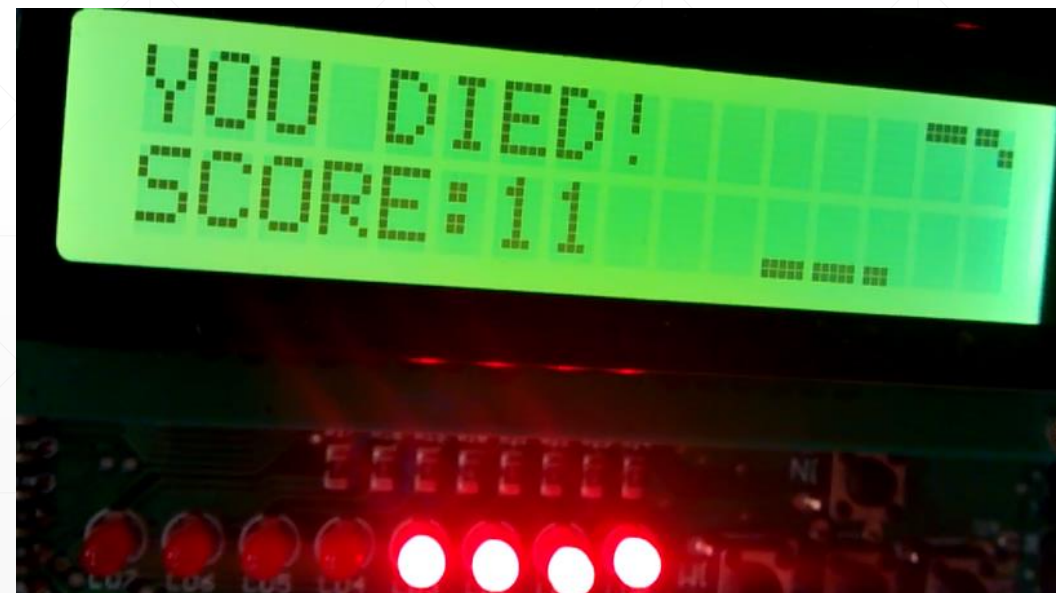
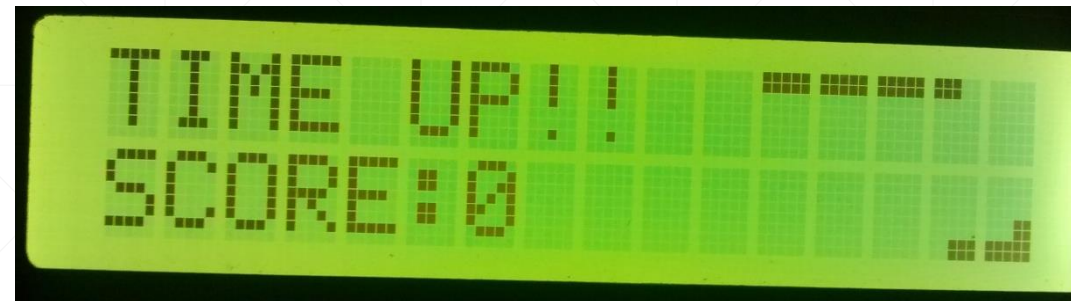
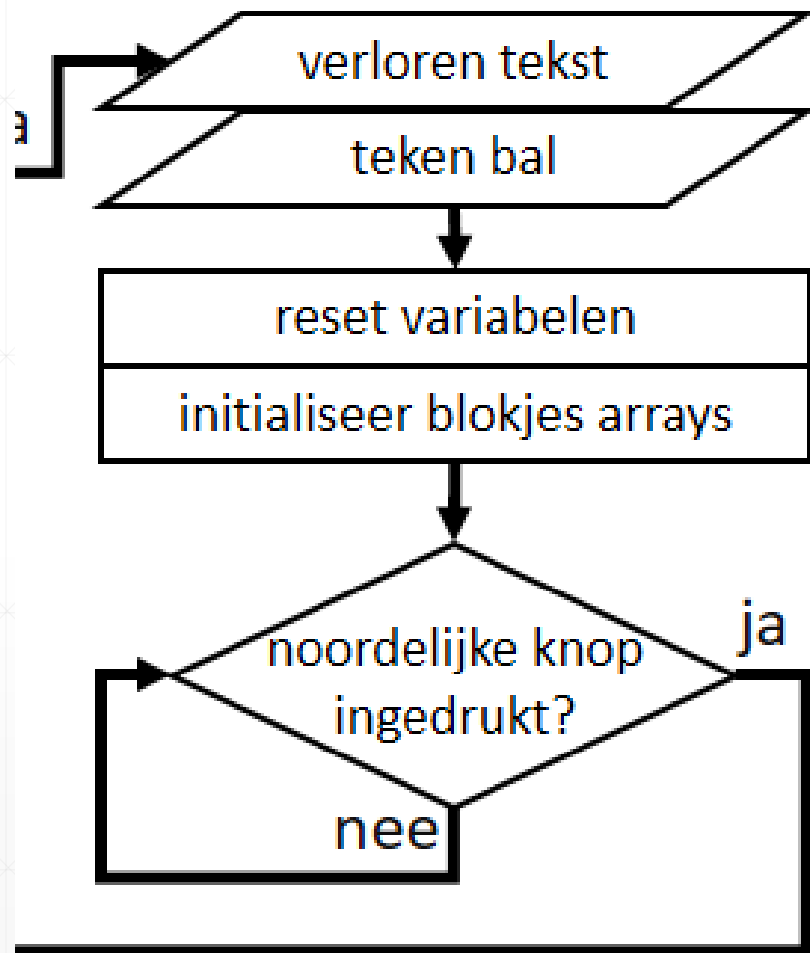
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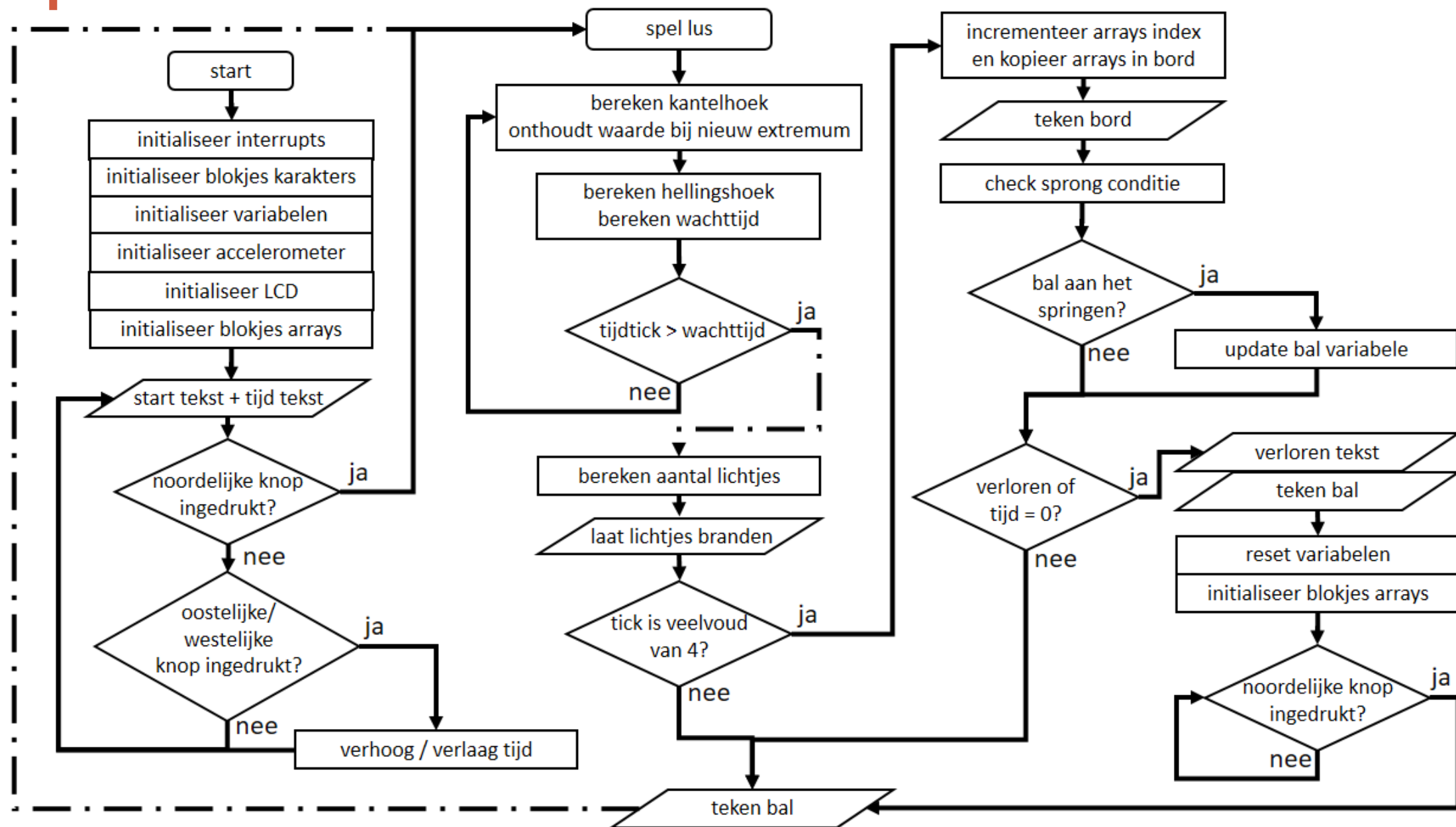
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Spel Lus



Spel Lus



Conclusie

