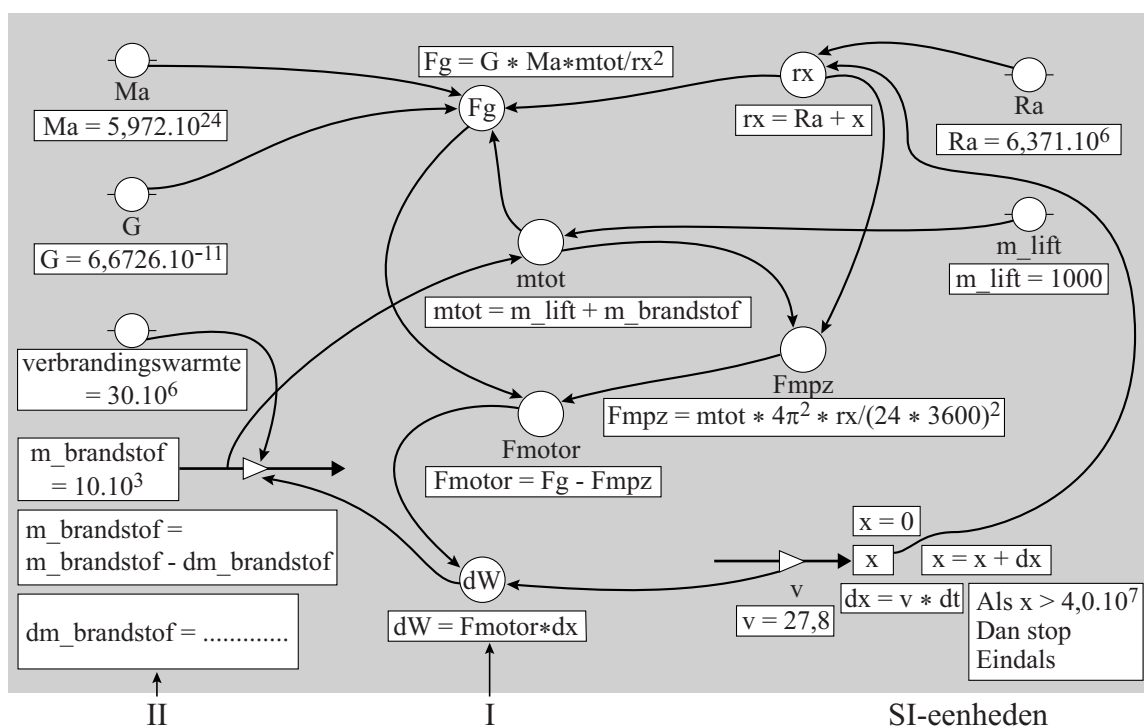


uitwerkbijlage

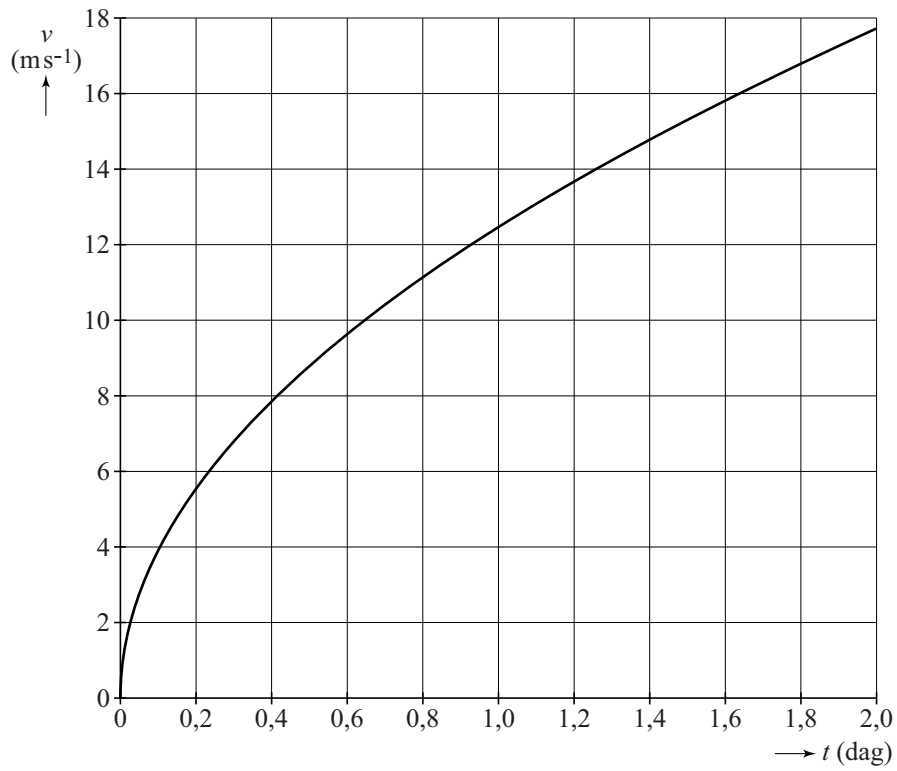
Naam kandidaat _____ Kandidaatnummer _____

7

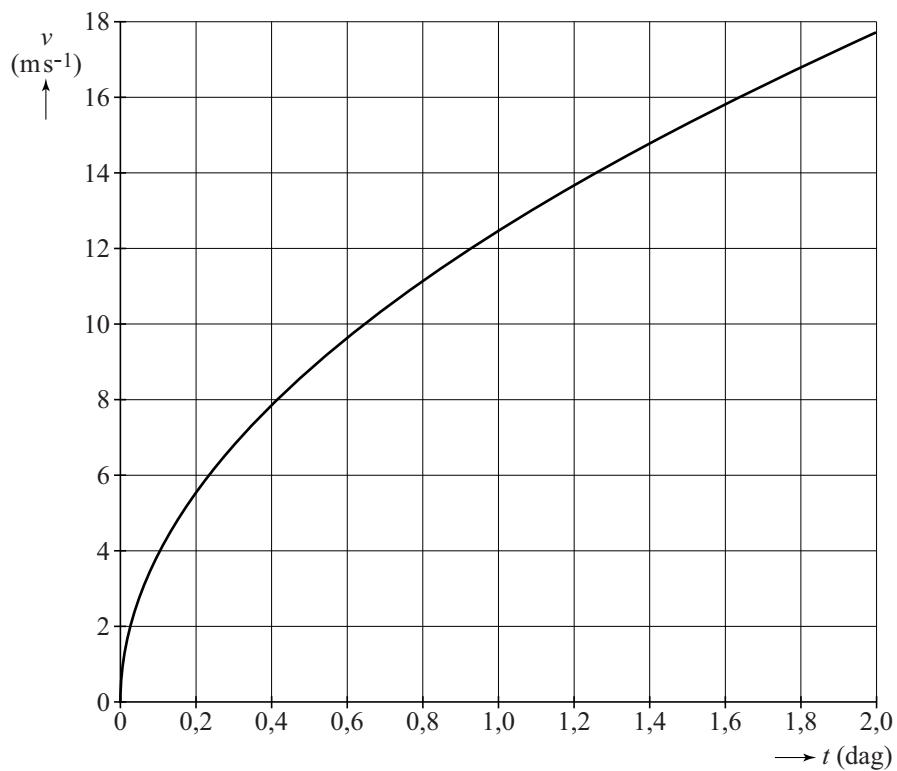
	MODELREGELS	STARTWAARDEN in SI-eenheden
1	$rx = Ra + x$	$t = 0$
2	$mtot = m_lift + m_brandstof$	$dt = 10$
3	$Fg = G * Ma * mtot / rx^2$	$Ra = 6,371E6$
4	$Fmpz = mtot * 4\pi^2 * rx / (24*3600)^2$	$Ma = 5,972E24$
5	$Fmotor = Fg - Fmpz$	$G = 6,6726E-11$
6	$dx = v * dt$	$m_lift = 1000$
7	$x = x + dx$	$m_brandstof = 10000$
8	$dW = Fmotor * dx$	$verbrandingswarmte = 30E6$
9	$dm_brandstof =$	$x = 0$
10	$m_brandstof = m_brandstof - dm_brandstof$	$v = 27,8$
11	als $x > 4,0E7$ Dan stop Eindals	
12	$t = t + dt$	

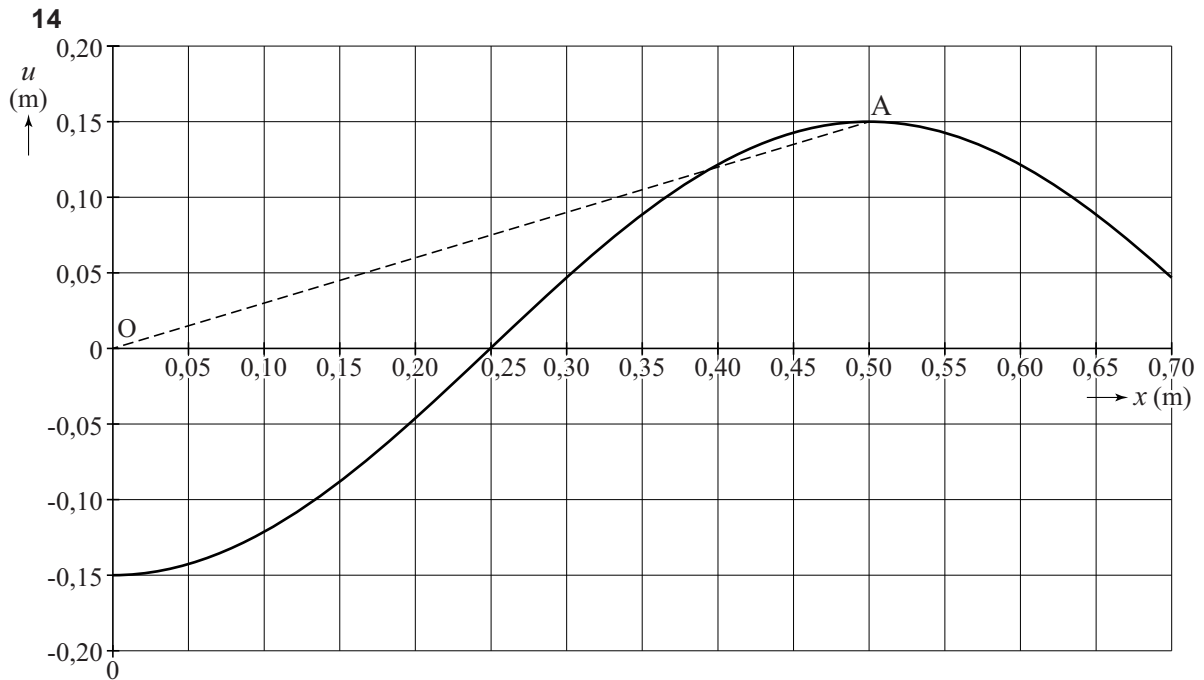


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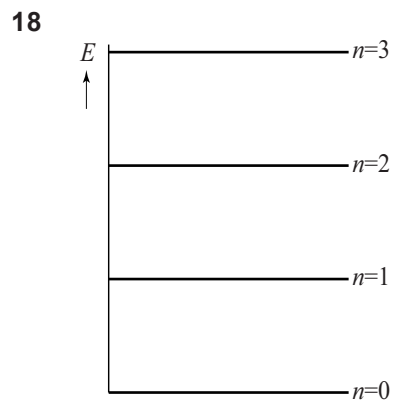
10





15 Vul onderstaande zin aan.

Als de lengte van de vogel 4 maal zo groot wordt, wordt de slagfrequentie f maal zo



VERGEET NIET DEZE UITWERKBIJLAGE IN TE LEVEREN