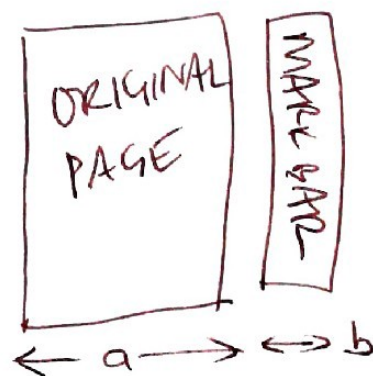


7123456
 A1 (a) This is an answer to a question on how to add marking boxes to a pdf. They should appear somewhere over there →

(b) But actually, if we draw a diagram, we might see this.



I forgot something ... !!!
 Something extra entered by hand using a very old windows tablet
 put it here using the pdf editor

(c) The maths for the width is trivial

$$w = a + b.$$

OR:

$$\int_0^{a+b} dl = a + b$$

which is what we expect.

Sub-total

Mark



section

Q

number

mark awarded

section

Q

number

mark awarded

☒ ☐

Mark

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A2 (a) We start with an exponential

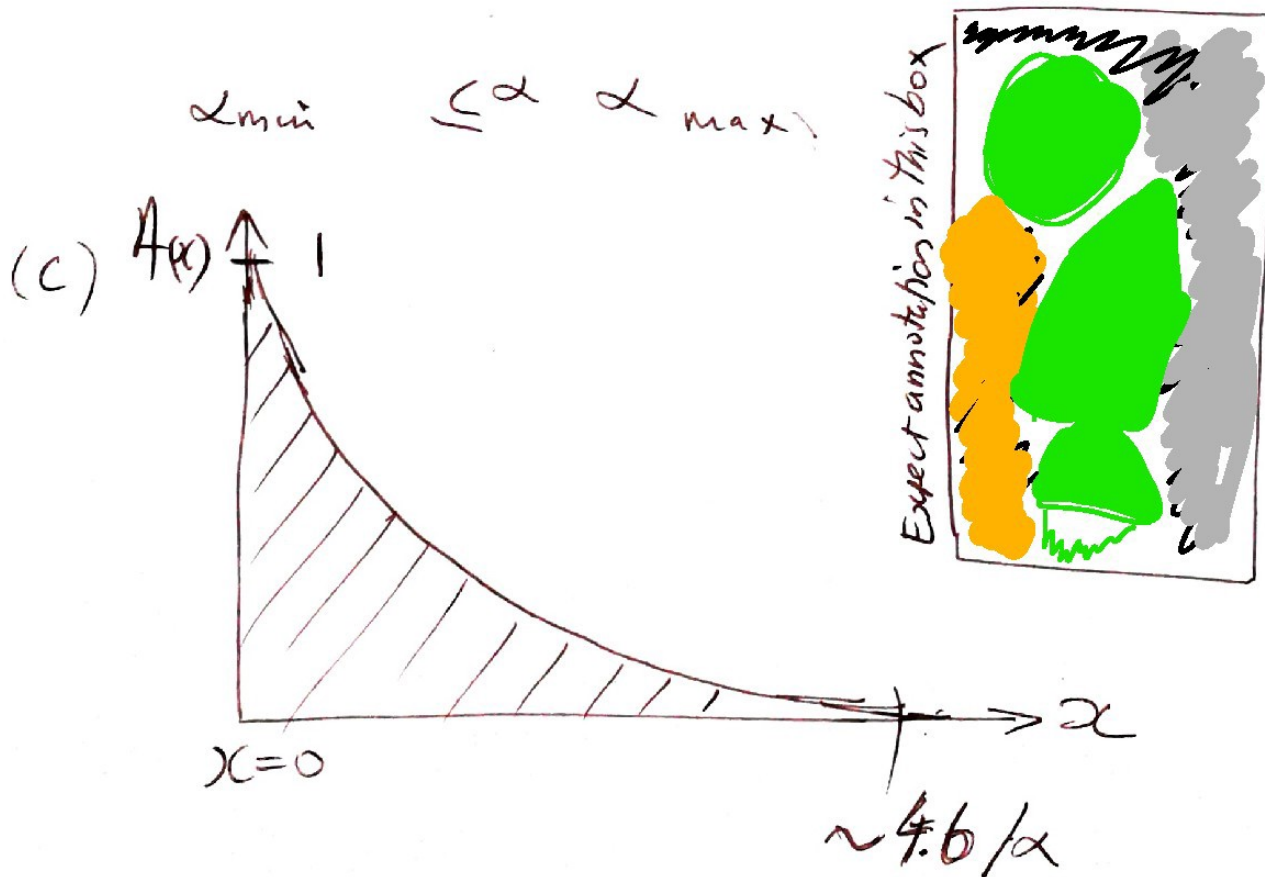
$$e^{-\alpha x} = A(x)$$

Then make up some conditions to complete the specification, such as

$$\alpha \leq \alpha_{\max}, \text{ and}$$

$$\alpha \geq \alpha_{\min}.$$

(b) Again, not rocket science that



Sub-
total

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mark awarded

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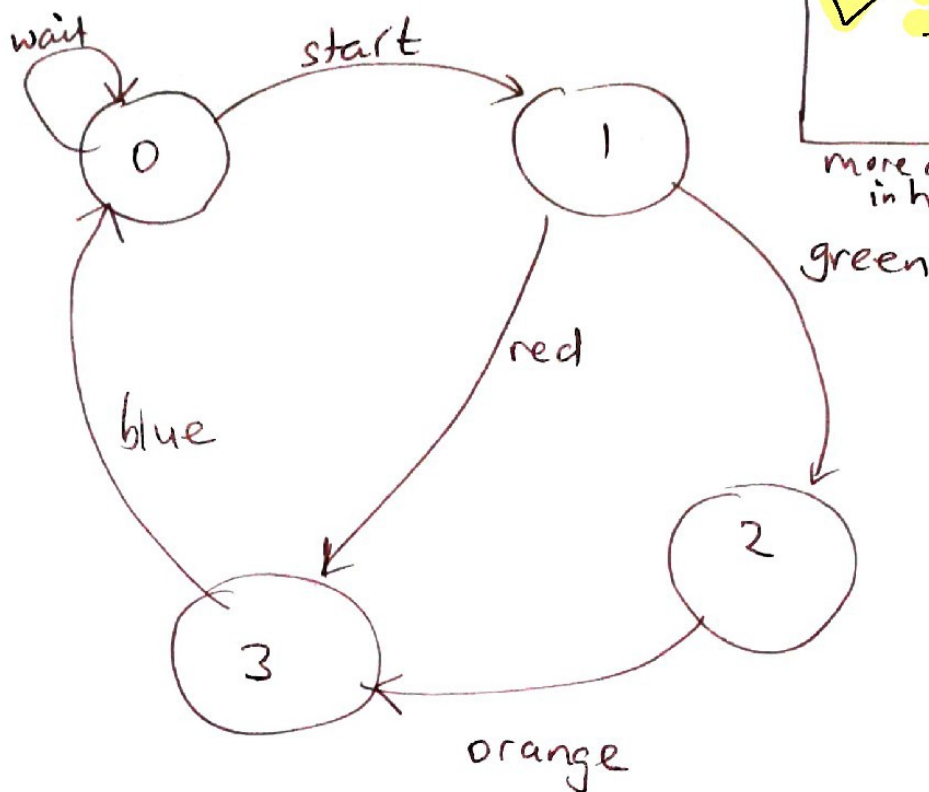
mark awarded

☒ ☐

Mark

B1

(9)



7123456

$V = \frac{W}{2}$

more annotation in here

"The coloured states are numbered starting at zero" makes no sense because the edges have colour names, and these represent transitions.

I'll edit/annotate in this box electronically

(b) $\overline{A+B} = \bar{A} \cdot \bar{B}$

$A = A(B+\bar{B})$

$\oint V dv = 0$

kind of makes it a bit simple.

because I forgot something, opps.

(c)

$\oint_V \psi_v dv = \int_0^h \int_0^l \int_0^w \psi(x,y,z) dx dy dz$

$\psi(x,y,z) = x + 2y - z^2$

Sub-total

Mark



section

Q

number

mark awarded

section

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number

mark awarded

☒ ☐

Mark